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OM nucleic - nucleic search, using sw model

Run on: March 22, 2004, 05:06:41 ; Search time 10.5017 Seconds
(without alignments)
7749.384 Million cell updates/sec

Title: US-09-308-080-4

Perfect score: 22

Sequence: 1 CAGCAAGCAACTGGCAGATTC 22

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 2438257 seqs, 1849576744 residues

Total number of hits satisfying chosen parameters: 4876514

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications NA.*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/2/pubpna/PCT03_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	22	100.0	239	12	US-10-085-783A-28135 Sequence 28135, A
C 2	22	100.0	239	15	US-10-242-535A-28135 Sequence 28135, A
C 3	18.8	85.5	1525	15	US-10-369-493-36086 Sequence 36086, A
C 4	18.4	83.6	1030	15	US-10-027-632-121185 Sequence 121185, A
C 5	17.4	79.1	321	11	US-09-864-408A-3193 Sequence 3193, Ap
C 6	17.4	79.1	1140	12	US-10-425-114-36277 Sequence 36277, A
C 7	17.4	79.1	18529	14	US-10-198-848-12599 Sequence 12599, A
C 8	17.4	79.1	319630	15	US-10-398-221-7 Sequence 7, Appli
C 9	17.4	79.1	715517	15	US-10-027-632-53712 Sequence 53712, A
C 10	17.4	79.1	3011208	15	US-10-398-221-2058 Sequence 2058, Ap
C 11	17.2	78.2	497	15	US-10-027-632-273805 Sequence 273805, A
C 12	17.2	78.2	720	15	US-10-369-493-27965 Sequence 27965, A
C 13	17.2	78.2	735	15	US-10-369-493-30720 Sequence 30720, A
C 14	17.2	78.2	944	15	US-10-027-632-15083 Sequence 15083, A
C 15	17.2	78.2	1062	12	US-10-282-122A-41874 Sequence 41874, A

16	17.2	78.2	1739	12	US-10-425-114-2659 Sequence 2659, Ap
17	17.2	78.2	2762	15	US-10-297-022-49 Sequence 49, Appl
18	17.2	78.2	1691139	14	US-10-067-514-1 Sequence 1, Appli
19	17.2	78.2	1691139	15	US-10-419-723-1 Sequence 1, Appli
C 20	17	77.3	572	15	US-10-027-632-222275 Sequence 222275, A
C 21	17	77.3	572	15	US-10-027-632-222277 Sequence 222277, A
C 22	17	77.3	572	15	US-10-027-632-222278 Sequence 222278, A
C 23	17	77.3	572	15	US-10-027-632-222278 Sequence 1297, Ap
C 24	16.8	76.4	444	14	US-10-060-036-1297 Sequence 1297, Ap
C 25	16.8	76.4	866	15	US-10-027-632-272522 Sequence 272522, A
C 26	16.8	76.4	866	15	US-10-027-632-272523 Sequence 272523, A
C 27	16.8	76.4	769	15	US-10-027-632-154892 Sequence 154892, A
C 28	16.8	76.4	836	15	US-10-027-632-147264 Sequence 147264, A
C 29	16.8	76.4	945	12	US-10-282-122A-12236 Sequence 12236, A
C 30	16.8	76.4	1161	9	US-09-354-531-575 Sequence 575, App
C 31	16.8	76.4	368004	9	US-09-349-654-3 Sequence 3, Appli
C 32	16.4	74.5	271	10	US-09-814-353-3749 Sequence 3749, Ap
C 33	16.4	74.5	723	12	US-10-424-599-25307 Sequence 10060, A
C 34	16.4	74.5	723	12	US-09-814-353-10060 Sequence 25307, A
C 35	16.4	74.5	1646	15	US-10-027-632-257028 Sequence 257028, A
C 36	16.4	74.5	1646	15	US-10-027-632-257029 Sequence 257029, A
C 37	16.4	74.5	1646	15	US-10-027-632-257030 Sequence 257030, A
C 38	16.4	74.5	1646	15	US-10-027-632-257031 Sequence 257031, A
C 39	16.4	74.5	1924	10	US-09-971-392-217 Sequence 217, App
C 40	16.4	74.5	6773	9	US-09-864-864-336 Sequence 336, App
C 41	16.2	73.6	265	12	US-10-424-599-140130 Sequence 140130, A
C 42	16.2	73.6	275	12	US-10-424-599-20515 Sequence 20515, A
C 43	16.2	73.6	360	12	US-10-424-599-46111 Sequence 46111, A
C 44	16.2	73.6	383	12	US-10-424-599-29545 Sequence 29545, A
C 45	16.2	73.6	389	12	US-10-424-599-105515 Sequence 105515, A

ALIGNMENTS

RESULT 1

US-10-085-783A-28135/c
; Sequence 28135, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liaw, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; PRIOR FILING DATE: 2002-02-28
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 60/271,955
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 28135
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Human

US-10-085-783A-28135

Query Match 100.0%; Score 22; DB 12; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.69;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAGCAAGCAACTGGCAGATTC 22
Db 232 CAGCAAGCAACTGGCAGATTC 211

RESULT 2

US-10-242-535A-28135/c
; Sequence 28135, Application US/10242535A
; Publication No. US20040013663A1

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; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2005
; CURRENT APPLICATION NUMBER: US/10/242.535A
; PRIOR FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 10/085,783
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 28135
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Human
US-10-242-535A-28135

Query Match      100.0%; Score 22; DB 15; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.69;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CAGCAAAGCAACTGGCAGATTC 22
      |||||
Db      232 CAGCAAAGCAACTGGCAGATTC 211

RESULT 3
US-10-369-493-36086
; Sequence 36086, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 36086
; LENGTH: 1525
; TYPE: DNA
; ORGANISM: Aspergillus nidulans
US-10-369-493-36086

Query Match      85.5%; Score 18.8; DB 15; Length 1525;
Best Local Similarity 90.9%; Pred. No. 32;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 CAGCAAAGCAACTGGCAGATTC 22
      |||||
Db      1004 CAGCAAAGCAACTGGCAGATTC 1025

RESULT 4
US-10-027-632-121185
; Sequence 121185, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
```

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; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 121185
; LENGTH: 1030
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-121185

Query Match      83.6%; Score 18.4; DB 15; Length 1030;
Best Local Similarity 95.0%; Pred. No. 48;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 CAGCAAAGCAACTGGCAGAT 20
      |||||
Db      542 CAGCAAAGCAACTGGCAGAT 561

RESULT 5
US-09-864-408A-3193
; Sequence 3193, Application US/09864408A
; Publication No. US20040009474A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Shimkets, Richard A.
; TITLE OF INVENTION: No. US20040009474A1 Human Polynucleotides and Polypeptides Enco
; FILE REFERENCE: 21402-012
; CURRENT APPLICATION NUMBER: US/09/864,408A
; CURRENT FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 60/206,690
; PRIOR FILING DATE: 2000-05-24
; NUMBER OF SEQ ID NOS: 9068
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3193
; LENGTH: 321
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(1)
; OTHER INFORMATION: Wherein n may be a, c, g or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (8)..(8)
; OTHER INFORMATION: Wherein n may be a, c, g or t
US-09-864-408A-3193

Query Match      79.1%; Score 17.4; DB 11; Length 321;
Best Local Similarity 94.7%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 CAGCAAAGCAACTGGCAGA 19
      |||||
Db      100 CAGCAAAGCAACTGGCAGA 118

RESULT 6
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US-10-425-114-36277/c
; Sequence 36277, Application US/10425114
; Publication No. US2004003488A1
; GENERAL INFORMATION:
; APPLICANT: Lau, Jingdong
; APPLICANT: Zhou, Yinua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 36277
; LENGTH: 1140
; TYPE: DNA
; ORGANISM: Zea mays subsp. mexicana
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMROTEOSINTE072802_FLI
US-10-425-114-36277
Query Match 79.1%; Score 17.4; DB 12; Length 1140;
Best Local Similarity 94.7%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CAGCAAGCAACTGGCAGA 19
Db 528 CAGCAAGCAATTGGCAGA 510

RESULT 7
US-10-198-846-12599/c
; Sequence 12599, Application US/10198846
; Publication No. US2003009974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12599
; LENGTH: 18529
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-198-846-12599
Query Match 79.1%; Score 17.4; DB 14; Length 18529;
Best Local Similarity 94.7%; Pred. No. 2.2e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CAGCAAGCAACTGGCAGA 19
Db 12657 CAGCAAGCAACTGGCAGA 12639

RESULT 8
US-10-398-221-7/c
; Sequence 7, Application US/10398221
; Publication No. US20040018514A1
; GENERAL INFORMATION:
; APPLICANT: KUNST, Frederik
```

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; APPLICANT: GLASER, Philippe
; TITLE OF INVENTION: Listeria innocua, genome and applications
; FILE REFERENCE: 344 702 - US
; CURRENT APPLICATION NUMBER: US/10/398,221
; CURRENT FILING DATE: 2003-03-27
; PRIOR APPLICATION NUMBER: PCT/FR 01/03 061
; PRIOR FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: FR 00/12 697
; PRIOR FILING DATE: 2000-10-04
; NUMBER OF SEQ ID NOS: 4025
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 319630
; TYPE: DNA
; ORGANISM: Listeria innocua
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(end)
; OTHER INFORMATION: n can be any nucleotide: a, g, c or t/u
US-10-398-221-7
Query Match 79.1%; Score 17.4; DB 15; Length 319630;
Best Local Similarity 94.7%; Pred. No. 3.3e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CAGCAAGCAACTGGCAGA 19
Db 122457 CAGCAAGCAACTGGCAGA 122439

RESULT 9
US-10-027-632-53712/c
; Sequence 53712, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53712
; LENGTH: 715517
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(715517)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-53712
Query Match 79.1%; Score 17.4; DB 15; Length 715517;
Best Local Similarity 94.7%; Pred. No. 3.6e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 AGCAAGCAACTGGCAGAT 20
Db 122457 CAGCAAGCAACTGGCAGA 122439
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D**b** 470140 AGCAAAGCAACTGGCATAT 470122

RESULT 10

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US-10-398-221-2058
; Sequence 2058, Application US/10398221
; Publication No. US20040018514A1
; GENERAL INFORMATION:
; APPLICANT: KUNST, Frederik
; APPLICANT: GLASER, Philippe
; TITLE OF INVENTION: Listeria innocua, genome and applications
; FILE REFERENCE: 344 702 - US
; CURRENT APPLICATION NUMBER: US/10/398,221
; CURRENT FILING DATE: 2003-03-27
; PRIOR APPLICATION NUMBER: PCT/FR 01/03 061
; PRIOR FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: FR 00/12 697
; PRIOR FILING DATE: 2000-10-04
; NUMBER OF SEQ ID NOS: 4025
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2058
; LENGTH: 3011208
; TYPE: DNA
; ORGANISM: Listeria innocua
US-10-398-221-2058

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Query Match          79.1%; Score 17.4; DB 15; Length 3011208;
Best Local Similarity 94.7%; Pred. No. 3.8e+02;
Matches 18: Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 CAGCAAAGCAACTGGCAGA 19

D_b 1994973 CAGCCAAGCAACTGGCAGA 1994991

RESULT 11

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US-10-027-632-273805
; Sequence 273805, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108927.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 273805
; LENGTH: 497
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-273805

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Query Match 78.2%; Score 17.2; DB 15; Length 497;
Best Local Similarity 86.4%; Pred. No. 1.6e+02;
Matches 19: Conservative 0; Mismatches 3; Indels 0; Gaps 0;

1 CAGCAAAGCAA CTGGCAGATTC 22

447 CATAAAGCAACTGGCACATTC 468

RESULT 12

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US-10-369-493-27965/C
; Sequence 27965, Application US/10369493
; Publication No. US2003023675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 27965
; LENGTH: 720
; TYPE: DNA
; ORGANISM: Burkholderia fungorum
; US-10-369-493-27965

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Query Match      78.2%; Score 17.2; DB 15; Length 720;
Best Local Similarity 86.4%; Pred. No. 1.7e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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1 CAGCAAAGCAACTGGCAGATTC 22

348 CAGCAATGCACCTGTTCAGATTC 327

RESULT 13

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US-10-369-493-30720/C
; Sequence 30720, Application US/10369493
; Publication No. US2003023675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 30720
; LENGTH: 735
; TYPE: DNA
; ORGANISM: Burkholderia cepacia
US-10-369-493-30720

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Query Match	78.2%	Score 17.2	DB 15	Length 735
Best Local Similarity	86.4%	Pred. No. 1.7e+02		
Matches 19	Conservative	0	Mismatches 3	Indels 0
				Gaps 0

1 CAGCAAGCAACTGGCAGATTC 22

354 CAGCAATGCACCTGTCAGATTCTC 333

RESIT.T 14

RESULTS 14
US-10-027-632-159083
: Sequence 159083, Application US/10027632

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; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: Polymorphisms in the Human Genome
; CURRENT FILING DATE: 2002-04-30
; PRIORITY APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 159083
; LENGTH: 944
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-159083

Query Match      78.2%; Score 17.2; DB 15; Length 944;
Best Local Similarity 86.4%; Pred. No. 1.8e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 CAGCAAGCAACTGGCAGATTC 22
Db      824 CAGCAAGCACATGGCAGATC 845

RESULT 15
US-10-282-122A-41874
; Sequence 41874, Application US/1028122A
; Publication No. US20040023129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
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; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41874
; LENGTH: 1082
; TYPE: DNA
; ORGANISM: Yersinia pestis
US-10-282-122A-41874

Query Match      78.2%; Score 17.2; DB 12; Length 1082;
Best Local Similarity 86.4%; Pred. No. 1.8e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 CAGCAAGCAACTGGCAGATTC 22
Db      749 CAGCCGAGCAATTGGCAGATTC 770

Search completed: March 22, 2004, 07:37:06
Job time : 17.5017 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: March 22, 2004, 04:12:41 ; Search time 2.96575 Seconds
(without alignments)
4116.644 Million cell updates/sec

Title: US-09-308-080-4

Perfect score: 22

Sequence: 1 CAGCAAGCAACTGGCAGATTC 22

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA: *

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2: /cgn2_6/prodata/2/ina/5B_COMB.seq: *
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4: /cgn2_6/prodata/2/ina/6B_COMB.seq: *
5: /cgn2_6/prodata/2/ina/PCTUS_COMB.seq: *
6: /cgn2_6/prodata/2/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	16.8	76.4	1173	3	US-09-285-601-1
C 2	16.8	76.4	6709	3	US-09-285-601-3
C 3	16.4	74.5	1080	4	US-09-489-039A-7122
C 4	16.4	74.5	6773	4	US-09-166-350-27
C 5	16.2	73.6	951	4	US-09-328-352-2679
C 6	16.2	73.6	1830121	4	US-09-557-884-1
C 7	16.2	73.6	1830121	4	US-09-643-990A-1
C 8	15.8	71.8	438	4	US-09-621-976-10965
C 9	15.8	71.8	452	4	US-09-280-116-64
C 10	15.8	71.8	638	3	US-08-906-156A-18
C 11	15.8	71.8	638	3	US-08-906-156A-66
C 12	15.8	71.8	1060	3	US-09-475-316A-47
C 13	15.8	71.8	1060	4	US-09-704-640-47
C 14	15.8	71.8	1097	3	US-09-475-316A-53
C 15	15.8	71.8	1097	4	US-09-704-640-53
C 16	15.8	71.8	1107	3	US-09-475-316A-57
C 17	15.8	71.8	1107	4	US-09-704-640-57
C 18	15.8	71.8	1109	3	US-09-475-316A-55
C 19	15.8	71.8	1109	4	US-09-704-640-55
C 20	15.8	71.8	1112	3	US-09-475-316A-49
C 21	15.8	71.8	1112	4	US-09-704-640-49
C 22	15.8	71.8	1124	3	US-09-475-316A-51
C 23	15.8	71.8	1124	4	US-09-704-640-51
C 24	15.8	71.8	2784	1	US-08-104-073-3
C 25	15.8	71.8	2784	1	US-08-351-413-10
C 26	15.8	71.8	2784	2	US-09-025-583-10
C 27	15.8	71.8	6585	3	US-08-746-111-4

ALIGNMENTS

RESULT 1

US-09-285-601-1/c
; Sequence 1, Application US/09285601

; Patent No. 6248528

; GENERAL INFORMATION:

; APPLICANT: Chen, Hong

; APPLICANT: Freimer, Nelson

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND

; FILE REFERENCE: 7853-089

; CURRENT APPLICATION NUMBER: US/09/285,601

; CURRENT FILING DATE: 1999-04-02

; EARLIER APPLICATION NUMBER: 60/080,841

; EARLIER FILING DATE: 1998-04-06

; NUMBER OF SEQ ID NOS: 3

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 1

; LENGTH: 1173

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (49)..(564)

; US-09-285-601-1

Query Match 76.4%; Score 16.8; DB 3; Length 1173;

Best Local Similarity 90.0%; Pred. No. 38;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 GCAAGCAACTGGCAGATTC 22

Db 1004 GCAATCTACTGGCAGATTC 985

RESULT 2

US-09-285-601-3/c

; Sequence 3, Application US/09285601

; Patent No. 6248528

; GENERAL INFORMATION:

; APPLICANT: Chen, Hong

; APPLICANT: Freimer, Nelson

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND

; FILE REFERENCE: 7853-089

; CURRENT APPLICATION NUMBER: US/09/285,601

; CURRENT FILING DATE: 1999-04-02

; EARLIER APPLICATION NUMBER: 60/080,841

; EARLIER FILING DATE: 1998-04-06

; NUMBER OF SEQ ID NOS: 3

; SOFTWARE: PatentIn Ver. 2.0

28 15.6 70.9 164 4 US-08-956-171E-3298 Sequence 3298, Ap
29 15.6 70.9 275 4 US-09-016-434-341 Sequence 341, App
30 15.6 70.9 400 4 US-08-956-171E-4080 Sequence 4080, Ap
31 15.6 70.9 609 4 US-09-489-039A-1442 Sequence 1442, Ap
32 15.6 70.9 755 4 US-09-325-932A-204 Sequence 204, App
33 15.6 70.9 786 4 US-09-489-039A-1447 Sequence 1447, Ap
34 15.6 70.9 1229 4 US-08-936-165A-109 Sequence 109, App
35 15.6 70.9 1297 4 US-09-446-821A-3 Sequence 3, Appli
36 15.6 70.9 1982 1 US-08-261-086-5 Sequence 5, Appli
37 15.6 70.9 2095 1 US-08-261-086-1 Sequence 1, Appli
38 15.6 70.9 2224 1 US-08-261-086-3 Sequence 3, Appli
39 15.6 70.9 2244 2 US-08-203-532F-1 Sequence 1, Appli
40 15.6 70.9 2244 3 US-09-078-465-1 Sequence 1, Appli
41 15.6 70.9 2244 5 PCT-US95-01882A-1 Sequence 1, Appli
42 15.6 70.9 2308 1 US-08-261-086-7 Sequence 7, Appli
43 15.6 70.9 2837 2 US-08-993-228-11 Sequence 11, Appli
44 15.6 70.9 3008 4 US-09-435-376-6 Sequence 6, Appli
45 15.6 70.9 3349 4 US-09-336-447A-2 Sequence 2, Appli

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; SEQ ID NO 3
; LENGTH: 6709
; TYPE: DNA
; ORGANISM: Homo sapiens
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US-09-285-601-3

Query Match          76.4%; Score 16.8; DB 3; Length 6709;
Best Local Similarity 90.0%; Pred. No. 56;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GCACGCAACTGGCAGATTC 22
DB 3901 GCAAACTACTGGCAGATTC 3882

RESULT 3
US-09-489-039A-7122
; Sequence 7122, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 7122
; LENGTH: 1080
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-7122

Query Match          74.5%; Score 16.4; DB 4; Length 1080;
Best Local Similarity 94.4%; Pred. No. 59;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 CAAAGCAACTGGCAGATT 21
DB 310 CACAGCAACTGGCAGATT 327

RESULT 4
US-09-166-350-27
; Sequence 27, Application US/09166350A
; Patent No. 6440663
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Matthew
; APPLICANT: Chen, Yao
; APPLICANT: Stockert, Elisabeth
; APPLICANT: Old, Lloyd
; APPLICANT: Jager, Elke
; APPLICANT: Knuth, Alex
; TITLE OF INVENTION: Renal Cancer Associated Antigens and
; TITLE OF INVENTION: Uses Therefor
; FILE REFERENCE: L0461/7051
; CURRENT APPLICATION NUMBER: US/09/166,350A
; CURRENT FILING DATE: 1998-10-05
; EARLIER APPLICATION NUMBER: US 09/166,350
; EARLIER FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 27
; LENGTH: 6773
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-166-350-27

Query Match          74.5%; Score 16.4; DB 4; Length 6773;
Best Local Similarity 94.4%; Pred. No. 88;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 5 AAAGCAACTGGCAGATTC 22
DB 3637 AAAGCAACTGGCAGATTC 3654

RESULT 5
US-09-328-352-2679
; Sequence 2679, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03EA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 2679
; LENGTH: 951
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-2679

Query Match          73.6%; Score 16.2; DB 4; Length 951;
Best Local Similarity 85.7%; Pred. No. 72;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGCAAGCAACTGGCAGATTC 22
DB 615 AGCAAGCAACTGGCAGATTC 635

RESULT 6
US-09-557-884-1/c
; Sequence 1, Application US/09557884
; Patent No. 6506591
; GENERAL INFORMATION:
; APPLICANT: Fleischmann et al.
; TITLE OF INVENTION: The Nucleotide sequence of
; the Haemophilus influenzae Rd Genome, Fragments
; Thereof, and Uses Thereof
;
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3 1/2 inch diskette
; COMPUTER: Dell Pentium
; OPERATING SYSTEM: MS DOS v6.22
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/557,884
; FILING DATE: 25-Apr-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/476,102
; FILING DATE: JUN-5-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Michelle S. Marks
; REGISTRATION NUMBER: 41,971
; REFERENCE/DOCKET NUMBER: PB186P3
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1830121 base pairs
; TYPE: nucleic acid
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```

; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-557-884-1
Query Match      73.6%; Score 16.2; DB 4; Length 1830121;
Best Local Similarity 85.7%; Pred. No. 2.1e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      2 AGCAAGCAACTGGCAGATTC 22
DB      700215 AGAAATCAACTGGCAGATAC 700195

RESULT 7
US-09-643-990A-1/c
; Sequence 1, Application US/09643990A
; Patent No. 6528289
; GENERAL INFORMATION:
; APPLICANT: Robert D. Fleischmann
; Mark D. Adams
; Owen White
; Hamilton O. Smith
; J. Craig Venter
; TITLE OF INVENTION: The Nucleotide sequence of
; the Haemophilus influenzae Rd Genome, Fragments
; Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville,
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3 1/2 inch diskette
; COMPUTER: Dell Pentium
; OPERATING SYSTEM: MS DOS v6.22
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/643,990A
; FILING DATE: 23-Aug-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/487,429
; FILING DATE: 1995-06-07
; APPLICATION NUMBER: 08/426,787
; FILING DATE: 1995-04-21
; ATTORNEY/AGENT INFORMATION:
; NAME: Kenley K. Hoover
; REGISTRATION NUMBER: 40,302
; REFERENCE/DOCKET NUMBER: PB186P1C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-610-5790
; TELEFAX: 310-309-8439
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1830121 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-643-990A-1
Query Match      73.6%; Score 16.2; DB 4; Length 1830121;
Best Local Similarity 85.7%; Pred. No. 2.1e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      2 AGCAAGCAACTGGCAGATTC 22
DB      700215 AGAAATCAACTGGCAGATAC 700195
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RESULT 8
US-09-621-976-10965/c
; Sequence 10965, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 10965
; LENGTH: 438
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-10965
Query Match      71.8%; Score 15.8; DB 4; Length 438;
Best Local Similarity 89.5%; Pred. No. 96;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 CAGCAAGCAACTGGCAGA 19
DB      71 CAGCAACCCCACTGGCAGA 53

RESULT 9
US-09-280-116-64/c
; Sequence 64, Application US/09280116A
; Patent No. 6331427
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs
; FILE REFERENCE: 5800-24, 035800/176965
; CURRENT APPLICATION NUMBER: US/09/280,116A
; CURRENT FILING DATE: 1999-03-26
; NUMBER OF SEQ ID NOS: 268
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 64
; LENGTH: 452
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: trypsin-like serine proteases
US-09-280-116-64
Query Match      71.8%; Score 15.8; DB 4; Length 452;
Best Local Similarity 89.5%; Pred. No. 97;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      4 CAAAGCAACTGGCAGATTC 22
DB      149 CAAAGCAACAGTCAGATTC 131

RESULT 10
US-08-906-156A-18/c
; Sequence 18, Application US/08906156A
; Patent No. 6287854
; GENERAL INFORMATION:
; APPLICANT: SPURR, NIGEL K
; APPLICANT: GRAY, IAN C
; APPLICANT: STEWART, LORNA M
; TITLE OF INVENTION: DIAGNOSIS OF SUSCEPTIBILITY TO CANCER
; TITLE OF INVENTION: AND TREATMENT THEREOF
; NUMBER OF SEQUENCES: 94
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
```


CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22201
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/906.156A
FILING DATE: 05-AUG-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/042,655
FILING DATE: 02-APR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/033,147
FILING DATE: 13-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/005,840
FILING DATE: 23-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/96GB/02588
FILING DATE: 22-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: SADOFF, B.J.
REGISTRATION NUMBER: 36,663
REFERENCE/DOCKET NUMBER: 1090-14
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-816-4000
TELEFAX: 703-816-4100
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 638 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Part of gene corresponding to IMAGE 264611
US-08-906-156A-18

Query Match 71.8%; Score 15.8; DB 3; Length 638;
Best Local Similarity 89.5%; Pred. No. 1e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 AGCAAAGCAACTGGCAGAT 20
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Db 577 AGCAAACACCTGGCAGAT 559

RESULT 11
US-08-906-156A-66/c
Sequence 66, Application US/0806156A
Patent No. 6287854
GENERAL INFORMATION:
APPLICANT: SPURR, NIGEL K
APPLICANT: GRAY, IAN C
APPLICANT: STEWART, LORNA M
TITLE OF INVENTION: DIAGNOSIS OF SUSCEPTIBILITY TO CANCER
TITLE OF INVENTION: AND TREATMENT THEREOF
NUMBER OF SEQUENCES: 94
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHUYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22201
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/906.156A
FILING DATE: 05-AUG-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/042,655
FILING DATE: 02-APR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/033,147
FILING DATE: 13-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/005,840
FILING DATE: 23-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/96GB/02588
FILING DATE: 22-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: SADOFF, B.J.
REGISTRATION NUMBER: 36,663
REFERENCE/DOCKET NUMBER: 1090-14
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-816-4000
TELEFAX: 703-816-4100
INFORMATION FOR SEQ ID NO: 66:
SEQUENCE CHARACTERISTICS:
LENGTH: 638 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: human
US-08-906-156A-66

Query Match 71.8%; Score 15.8; DB 3; Length 638;
Best Local Similarity 89.5%; Pred. No. 1e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 AGCAAAGCAACTGGCAGAT 20
||||| ||||| ||||| ||||| |||||
Db 577 AGCAAACACCTGGCAGAT 559

RESULT 12
US-09-475-316A-47/c
Sequence 47, Application US/09475316A
Patent No. 6210942
GENERAL INFORMATION:
APPLICANT: Lewis, No. 6210942man G.
APPLICANT: Davin, Laurence B.
APPLICANT: Dinkova-Kostova, Albena T.
APPLICANT: Fujita, Masayuki
APPLICANT: Gang, David R.
APPLICANT: Sarkanen, Simo
APPLICANT: Ford, Joshua D
TITLE OF INVENTION: RECOMBINANT PINORESINOL/LARICRESINOL REDUCTASES,
TITLE OF INVENTION: RECOMBINANT DIRIGENT PROTEINS AND METHODS OF USE
FILE REFERENCE: WSUR-1-13793
CURRENT APPLICATION NUMBER: US/09/475,316A
CURRENT FILING DATE: 1999-12-30
PRIOR APPLICATION NUMBER: 09/307,653
PRIOR FILING DATE: 1999-05-07
PRIOR APPLICATION NUMBER: PCT/US97/20391
PRIOR FILING DATE: 1997-11-07
PRIOR APPLICATION NUMBER: 60/054,380
PRIOR FILING DATE: 1997-07-31
PRIOR APPLICATION NUMBER: 60/030,522
PRIOR FILING DATE: 1996-11-08
NUMBER OF SEQ ID NOS: 122

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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47
; LENGTH: 1060
; TYPE: DNA
; ORGANISM: Forsythia x intermedia
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (28)..(963)
US-09-475-316A-47

Query Match
Best Local Similarity 71.8%; Score 15.8; DB 3; Length 1060;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CAGCAAAGCAACTGGCAGA 19
|||||
Db 514 CAGCAAAGCAATTGGCAGA 496

RESULT 13
US-09-704-640-47/c
; Sequence 47, Application US/09704640
; Patent No. 6635459
; GENERAL INFORMATION:
; APPLICANT: Lewis, No. 6635459man G.
; APPLICANT: Davin, Laurence B.
; APPLICANT: Dinkova-Kostova, Albena T.
; APPLICANT: Fujita, Masayuki
; APPLICANT: Gang, David R.
; APPLICANT: Sarkanen, Simo
; APPLICANT: Ford, Joshua D
; TITLE OF INVENTION: RECOMBINANT PINORESINOL/LARICRESINOL REDUCTASE,
; FILE REFERENCE: WSUR-1-16492
; CURRENT APPLICATION NUMBER: US/09/704,640
; PRIOR FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: 09/475,316
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: 09/307,653
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: PCT/US97/20391
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: 60/054,380
; PRIOR FILING DATE: 1997-07-31
; PRIOR APPLICATION NUMBER: 60/030,522
; PRIOR FILING DATE: 1996-11-08
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47
; LENGTH: 1060
; TYPE: DNA
; ORGANISM: Forsythia x intermedia
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (28)..(963)
US-09-704-640-47

Query Match
Best Local Similarity 71.8%; Score 15.8; DB 4; Length 1060;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CAGCAAAGCAACTGGCAGA 19
|||||
Db 514 CAGCAAAGCAATTGGCAGA 496

RESULT 14
US-09-475-316A-53/c
; Sequence 53, Application US/09475316A
; Patent No. 6210942
; GENERAL INFORMATION:
; APPLICANT: Lewis, No. 6210942man G.
; APPLICANT: Davin, Laurence B.
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; APPLICANT: Dinkova-Kostova, Albena T.
; APPLICANT: Fujita, Masayuki
; APPLICANT: Gang, David R.
; APPLICANT: Sarkanen, Simo
; APPLICANT: Ford, Joshua D
; TITLE OF INVENTION: RECOMBINANT PINORESINOL/LARICRESINOL REDUCTASE,
; FILE REFERENCE: WSUR-1-13793
; CURRENT APPLICATION NUMBER: US/09/475,316A
; CURRENT FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: 09/307,653
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: PCT/US97/20391
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: 60/054,380
; PRIOR FILING DATE: 1997-07-31
; PRIOR APPLICATION NUMBER: 60/030,522
; PRIOR FILING DATE: 1996-11-08
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 53
; LENGTH: 1097
; TYPE: DNA
; ORGANISM: Forsythia x intermedia
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (29)..(964)
US-09-475-316A-53

Query Match
Best Local Similarity 71.8%; Score 15.8; DB 3; Length 1097;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CAGCAAAGCAACTGGCAGA 19
|||||
Db 515 CAGCAAAGCAATTGGCAGA 497

RESULT 15
US-09-704-640-53/c
; Sequence 53, Application US/09704640
; Patent No. 6635459
; GENERAL INFORMATION:
; APPLICANT: Lewis, No. 6635459man G.
; APPLICANT: Davin, Laurence B.
; APPLICANT: Dinkova-Kostova, Albena T.
; APPLICANT: Fujita, Masayuki
; APPLICANT: Gang, David R.
; APPLICANT: Sarkanen, Simo
; APPLICANT: Ford, Joshua D
; TITLE OF INVENTION: RECOMBINANT PINORESINOL/LARICRESINOL REDUCTASE,
; FILE REFERENCE: WSUR-1-16492
; CURRENT APPLICATION NUMBER: US/09/704,640
; CURRENT FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: 09/475,316
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: 09/307,653
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: PCT/US97/20391
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: 60/054,380
; PRIOR FILING DATE: 1997-07-31
; PRIOR APPLICATION NUMBER: 60/030,522
; PRIOR FILING DATE: 1996-11-08
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 53
; LENGTH: 1097
; TYPE: DNA
; ORGANISM: Forsythia x intermedia
; FEATURE:
; NAME/KEY: CDS
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new 1881 21 10:37:30 2004 02 03 0000 11:11:11

LOCATION: (29)...(964)
US-09-704-640-53

Query Match 71.8%; Score 15.8; DB 4; Length 1097;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CAGCAAGCAACTGGCAGA 19
|||
Db 515 CAGCAAGCAATTGCAGA 497
|||

Search completed: March 22, 2004, 05:37:18
Job time : 8.96575 secs

1	19.4	88.2	989	12	US-10-424-599-47777	Sequence 47777, A
2	17.2	78.2	625	15	US-10-027-632-198805	Sequence 198805, A
3	17.2	78.2	625	15	US-10-027-632-198806	Sequence 198806, A
4	17.2	78.2	1639	12	US-10-425-114-2499	Sequence 2499, A
5	17.2	78.2	2457	12	US-10-425-114-15045	Sequence 15045, A
6	17	77.3	766	15	US-10-027-632-33185	Sequence 33185, A
7	16.8	76.4	62	15	US-10-027-632-52730	Sequence 52730, A
8	16.8	76.4	860	12	US-10-424-599-73933	Sequence 73933, A
9	16.8	76.4	2443	15	US-10-027-632-110611	Sequence 110611, A
10	16.8	76.4	2443	15	US-10-027-632-110612	Sequence 110612, A
11	16.6	75.5	3186778	15	US-10-027-632-174951	Sequence 174951, A
12	16.4	74.5	50363	10	US-09-814-353-19466	Sequence 19466, A
13	16.4	74.5	10464	9	US-09-957-974-1	Sequence 1, Appl.
14	16.2	73.6	406	9	US-09-783-590-4728	Sequence 4728, A
15	16.2	73.6	406	9	US-10-341-961A-343	Sequence 343, App

;; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
;; TITLE OF INVENTION: Polymorphisms in the Human Genome
;; FILE REFERENCE: 108827.129
;; CURRENT APPLICATION NUMBER: US/10/027,632
;; CURRENT FILING DATE: 2002-04-30
;; PRIOR APPLICATION NUMBER: US 60/218,006
;; PRIOR FILING DATE: 2000-07-12
;; PRIOR APPLICATION NUMBER: US 60/198,676
;; PRIOR FILING DATE: 2000-04-20
;; PRIOR APPLICATION NUMBER: US 60/193,483
;; PRIOR FILING DATE: 2000-03-29
;; PRIOR APPLICATION NUMBER: US 60/185,218
;; PRIOR FILING DATE: 2000-02-24
;; PRIOR APPLICATION NUMBER: US 60/167,363
;; PRIOR FILING DATE: 1999-11-23
;; PRIOR APPLICATION NUMBER: US 60/156,358
;; PRIOR FILING DATE: 1999-09-28
;; PRIOR APPLICATION NUMBER: US 60/146,002
;; PRIOR FILING DATE: 1999-08-09
;; NUMBER OF SEQ ID NOS: 325720
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 198805
;; LENGTH: 625
;; TYPE: DNA
;; ORGANISM: Human
US-10-027-632-198805

Query Match 78.2%; Score 17.2; DB 15; Length 625;
Best Local Similarity 86.4%; Pred. No. 92;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TGCAGATATGCTGGAGGACC 22
Db 19 TGCAGATATGCTGGAGGACC 40

RESULT 3
US-10-027-632-198806
;; Sequence 198806, Application US/10027632
;; Publication No. US20030204075A9
;; GENERAL INFORMATION:
;; APPLICANT: Wang, David G.
;; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
;; FILE REFERENCE: 108827.129
;; CURRENT APPLICATION NUMBER: US/10/027,632
;; CURRENT FILING DATE: 2002-04-30
;; PRIOR APPLICATION NUMBER: US 60/218,006
;; PRIOR FILING DATE: 2000-07-12
;; PRIOR APPLICATION NUMBER: US 60/198,676
;; PRIOR FILING DATE: 2000-04-20
;; PRIOR APPLICATION NUMBER: US 60/193,483
;; PRIOR FILING DATE: 2000-03-29
;; PRIOR APPLICATION NUMBER: US 60/185,218
;; PRIOR FILING DATE: 2000-02-24
;; PRIOR APPLICATION NUMBER: US 60/167,363
;; PRIOR FILING DATE: 1999-11-23
;; PRIOR APPLICATION NUMBER: US 60/156,358
;; PRIOR FILING DATE: 1999-09-28
;; PRIOR APPLICATION NUMBER: US 60/146,002
;; PRIOR FILING DATE: 1999-08-09
;; NUMBER OF SEQ ID NOS: 325720
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 198806
;; LENGTH: 625
;; TYPE: DNA
;; ORGANISM: Human
US-10-027-632-198806

Query Match 78.2%; Score 17.2; DB 15; Length 625;
Best Local Similarity 86.4%; Pred. No. 92;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TGCAGATATGCTGGAGGACC 22
Db 19 TGCAGATATGCTGGAGGACC 40

RESULT 4
US-10-425-114-2499/c
;; Sequence 2499, Application US/10425114
;; Publication No. US20040034888A1
;; GENERAL INFORMATION:
;; APPLICANT: Liu, Jingdong
;; APPLICANT: Zhou, Yihua
;; APPLICANT: Kovalic, David K.
;; APPLICANT: Screen, Steven E.
;; APPLICANT: Tabaska, Jack E.
;; APPLICANT: Cao, Yongwei
;; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
;; FILE REFERENCE: 38-21(53313)B
;; CURRENT APPLICATION NUMBER: US/10/425,114
;; CURRENT FILING DATE: 2003-04-28
;; NUMBER OF SEQ ID NOS: 73128
;; SEQ ID NO 2499
;; LENGTH: 1639
;; TYPE: DNA
;; ORGANISM: Zea mays
;; FEATURE:
;; OTHER INFORMATION: Clone ID: 700213924_FLI
US-10-425-114-2499

Query Match 78.2%; Score 17.2; DB 12; Length 1639;
Best Local Similarity 86.4%; Pred. No. 1e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TGCAGATATGCTGGAGGACC 22
Db 55 TGCAGATATGCTGGAGGTTAAC 34

RESULT 5
US-10-425-114-16045/c
;; Sequence 16045, Application US/10425114
;; Publication No. US20040034888A1
;; GENERAL INFORMATION:
;; APPLICANT: Liu, Jingdong
;; APPLICANT: Zhou, Yihua
;; APPLICANT: Kovalic, David K.
;; APPLICANT: Screen, Steven E.
;; APPLICANT: Tabaska, Jack E.
;; APPLICANT: Cao, Yongwei
;; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
;; FILE REFERENCE: 38-21(53313)B
;; CURRENT APPLICATION NUMBER: US/10/425,114
;; CURRENT FILING DATE: 2003-04-28
;; NUMBER OF SEQ ID NOS: 73128
;; SEQ ID NO 16045
;; LENGTH: 2457
;; TYPE: DNA
;; ORGANISM: Zea mays
;; FEATURE:
;; OTHER INFORMATION: Clone ID: LIB3061-045-B12_FLI
US-10-425-114-16045

Query Match 78.2%; Score 17.2; DB 12; Length 2457;
Best Local Similarity 86.4%; Pred. No. 1e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TGCAGATATGCTGGAGGACC 22
Db 852 TGCAGATATGCTGGAGGTTAAC 831

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RESULT 6
US-10-027-632-33185/c
; Sequence 33185, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 33185
; LENGTH: 766
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(766)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-33185

Query Match          77.3%; Score 17; DB 15; Length 766;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 AAATATGTGAGGAGGGA 20
        |||||
Db      342 AAATATGTGAGGAGGGA 326

RESULT 7
US-10-027-632-52730/c
; Sequence 52730, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; SOFTWARE: FastSEQ for Windows Version 4.0
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
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; SEQ ID NO 52730
; LENGTH: 62
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-52730

Query Match          76.4%; Score 16.8; DB 12; Length 62;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 TCGAAATATGTGAGGAGGGA 20
        |||||
Db      33 TCGAATTATGTGAAGAGGGA 14

RESULT 8
US-10-424-599-73933/c
; Sequence 73933, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 73933
; LENGTH: 860
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_37777C.1
US-10-424-599-73933

Query Match          76.4%; Score 16.8; DB 12; Length 860;
Best Local Similarity 90.0%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      3 CAAATATGTGAGGAGGACC 22
        |||||
Db      412 CAAATATGAAAGGAGGACC 393

RESULT 9
US-10-027-632-110611/c
; Sequence 110611, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 110611
; LENGTH: 2443
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-110611

Query Match
Best Local Similarity 76.4%; Score 16.8; DB 15; Length 2443;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TGCAGGATGTGAGGAGGA 20
Db 1728 TGCAGGATGTGAGGAGGA 1709

RESULT 10
US-10-027-632-110612/c
; Sequence 110612, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/157,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 110612
; LENGTH: 2443
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-110612

Query Match
Best Local Similarity 76.4%; Score 16.8; DB 15; Length 2443;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TGCAGGATGTGAGGAGGA 20
Db 1728 TGCAGGATGTGAGGAGGA 1709

RESULT 11
US-10-027-632-174961
; Sequence 174961, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
```

```
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 174961
; LENGTH: 3186778
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(3186778)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-174961

Query Match
Best Local Similarity 75.5%; Score 16.6; DB 15; Length 3186778;
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 5 AATATGTGAGGAGGAC 21
Db 3113226 AAYATGTGAGGAGGAC 3113242

RESULT 12
US-09-814-353-19466/c
; Sequence 19466, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19466
; LENGTH: 5035
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1_2_3_5035
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-19466

Query Match
Best Local Similarity 74.5%; Score 16.4; DB 10; Length 5035;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 TGCAATATGTGAGGAGG 18
 Db 1405 TGCAAAATGTGAGGAGG 1388

RESULT 13

US-09-957-974-1/c
 ; Sequence 1, Application US/09957974
 ; Patent No. US20020094967A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Antoniou, Michael
 ; APPLICANT: Crombie, Robert
 ; TITLE OF INVENTION: Polynucleotide
 ; FILE REFERENCE: Caco-0069 (SW/P1598WO)
 ; CURRENT APPLICATION NUMBER: US/09/957,974
 ; CURRENT FILING DATE: 2001-09-20
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 1
 ; LENGTH: 10464
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: PDCD2/ACTIN ARTIFICIAL UCOE SEQUENCE
 US-09-957-974-1

Query Match 74.5%; Score 16.4; DB 9; Length 10464;
 Best Local Similarity 94.4%; Pred. No. 3e+02; Indels 0; Gaps 0;
 Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 5 AATATGTGAGGAGGACC 22
 Db 6096 AATATGTGAGGAGGAAC 6079

RESULT 14

US-09-783-590-4728/c
 ; Sequence 4728, Application US/09783590
 ; Patent No. US20020110850A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Dillon, Patrick J.
 ; APPLICANT: Haseltine, William A.
 ; APPLICANT: Li, Haodong
 ; APPLICANT: Rosen, Craig A.
 ; APPLICANT: Ruben, Steven M.
 ; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 16.2
 ; FILE REFERENCE: PO-16.2C1
 ; CURRENT APPLICATION NUMBER: US/09/783,590
 ; CURRENT FILING DATE: 2000-02-15
 ; PRIOR APPLICATION NUMBER: 08/420,856
 ; PRIOR FILING DATE: 1995-04-12
 ; PRIOR APPLICATION NUMBER: 08/346,731
 ; PRIOR FILING DATE: 1994-11-21
 ; NUMBER OF SEQ ID NOS: 12485
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 4728
 ; LENGTH: 406
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (41)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc feature
 ; LOCATION: (230)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc feature
 ; LOCATION: (268)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc feature
 ; LOCATION: (344)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc feature

; LOCATION: (359)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc feature
 ; LOCATION: (371)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc feature
 ; LOCATION: (382)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc feature
 ; LOCATION: (389)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc feature
 ; LOCATION: (399)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc feature
 ; LOCATION: (401)
 ; OTHER INFORMATION: n equals a,t,g, or c
 US-09-783-590-4728

Query Match 73.6%; Score 16.2; DB 9; Length 406;
 Best Local Similarity 85.7%; Pred. No. 2.8e+02;
 Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCAATATGTGAGGAGGACC 22
 Db 74 GCGAGAGGTGAGGAGGACC 54

RESULT 15

US-10-341-961A-343/c
 ; Sequence 343, Application US/10341961A
 ; Publication No. US20040006787A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Boyce Thompson Institute for Plant Research, Inc.
 ; APPLICANT: Curagen Corporation
 ; APPLICANT: Craata, Oswald
 ; APPLICANT: Swirsky, Peter
 ; APPLICANT: Mysore, Kiran
 ; APPLICANT: Folkerts, Otto
 ; APPLICANT: Martin, Gregory
 ; APPLICANT: Ekengren, Sophia
 ; TITLE OF INVENTION: PLANT DEFENSE-RELATED GENES REGULATED IN RESPONSE TO PLANT-PATHOGEN
 ; FILE REFERENCE: BTI.67A2
 ; CURRENT APPLICATION NUMBER: US/10/341,961A
 ; CURRENT FILING DATE: 2003-01-14
 ; PRIOR APPLICATION NUMBER: 60390249
 ; PRIOR FILING DATE: 2002-06-20
 ; PRIOR APPLICATION NUMBER: 60261029
 ; PRIOR FILING DATE: 2001-01-11
 ; PRIOR APPLICATION NUMBER: 60348792
 ; PRIOR FILING DATE: 2002-01-14
 ; NUMBER OF SEQ ID NOS: 395
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 343
 ; LENGTH: 586
 ; TYPE: DNA
 ; ORGANISM: Lycopersicon esculentum
 US-10-341-961A-343

Query Match 73.6%; Score 16.2; DB 15; Length 586;
 Best Local Similarity 85.7%; Pred. No. 2.9e+02;
 Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCAATATGTGAGGAGGACC 22
 Db 444 GCGATATGTGAGGAGGACC 424

Search completed: March 22, 2004, 07:36:59
 Job time : 14.5017 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: March 22, 2004, 04:12:41 ; Search time 2.96575 Seconds
(without alignments)
4116.644 Million cell updates/sec

Title: US-09-308-080-3

Perfect score: 22
Sequence: 1 TGCAATATGTGAGGAGGACC 22

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*
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4: /cgn2_6/prodata/2/ina/6B-COMB.seq:*
5: /cgn2_6/prodata/2/ina/PCUS-COMB.seq:*
6: /cgn2_6/prodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	16.2	73.6	15418	4	US-09-783-203-1
2	16.2	73.6	51552	4	US-09-733-294A-30
3	15.8	71.8	5053	4	US-08-620-312D-590
4	15.6	70.9	1688	4	US-09-173-300-37
5	15.6	70.9	3495	3	US-08-827-962-17
6	15.6	70.9	3982	3	US-08-947-823-4
7	15.6	70.9	9870	4	US-09-245-928A-15
8	15.6	70.9	51952	3	US-08-947-823-1
9	15.4	70.0	911	4	US-09-171-209-12
10	15.4	70.0	3711	4	US-09-883-134-3
11	15.4	70.0	3796	1	US-08-343-760A-1
12	15.4	70.0	4034	4	US-09-883-134-5
13	15.2	69.1	510	4	US-09-621-976-18595
14	15.2	69.1	636	4	US-09-702-705-1530
15	15.2	69.1	636	4	US-09-736-457-1530
16	15.2	69.1	636	4	US-09-614-124B-1530
17	15.2	69.1	636	4	US-08-671-325-1530
18	15.2	69.1	843	3	US-08-953-326-10
19	15.2	69.1	843	4	US-09-314-701-5
20	15.2	69.1	843	4	US-09-314-701-11
21	15.2	69.1	843	4	US-09-553-662-10
22	15.2	69.1	843	4	US-10-062-994-10
23	15.2	69.1	849	4	US-09-660-358A-3
24	15.2	69.1	849	4	US-09-261-358A-3
25	15.2	69.1	849	4	US-09-811-007A-3
26	15.2	69.1	852	4	US-09-314-701-39
27	15.2	69.1	2554	4	US-09-023-655-886

28 15.2 69.1 5468 4 US-09-220-132-140 Sequence 140, Appl
29 15.2 69.1 5470 1 US-08-441-139-12 Sequence 12, Appl
30 15.2 69.1 5470 6 5196523-5 Patent No. 5196523
31 15.2 69.1 1230025 4 US-09-198-452A-1 Sequence 1, Appl
32 14.8 67.3 437 2 US-08-721-746-3 Sequence 3, Appl
33 14.8 67.3 793 2 US-08-467-603-69 Sequence 69, Appl
34 14.8 67.3 793 2 US-08-466-793-69 Sequence 69, Appl
35 14.8 67.3 793 2 US-08-491-861A-69 Sequence 69, Appl
36 14.8 67.3 793 4 US-09-374-671A-69 Sequence 1, Appl
37 14.8 67.3 942 4 US-09-609-816-1 Sequence 73, Appl
38 14.8 67.3 998 2 US-08-467-603-73 Sequence 73, Appl
39 14.8 67.3 998 2 US-08-466-793-73 Sequence 73, Appl
40 14.8 67.3 998 4 US-09-374-671A-73 Sequence 73, Appl
41 14.8 67.3 998 4 US-09-374-671A-73 Sequence 3, Appl
42 14.8 67.3 1004 4 US-09-609-816-3 Sequence 1, Appl
43 14.8 67.3 1552 3 US-08-948-705-1 Sequence 1, Appl
44 14.8 67.3 1552 4 US-09-510-543-1 Sequence 1, Appl
45 14.8 67.3 1719 4 US-09-280-116-227 Sequence 227, Appl

ALIGNMENTS

RESULT 1
US-09-783-203-1
; Sequence 1, Application US/09783203
; Patent No. 6576464
; GENERAL INFORMATION:
; APPLICANT: Geron Corporation
; APPLICANT: Gold, Joseph
; APPLICANT: Lebkowski, Jane
; TITLE OF INVENTION: Tpackcd stem cells
; FILE REFERENCE: 096/003
; CURRENT APPLICATION NUMBER: US/09/783,203
; CURRENT FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: 60/253,443
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/253,357
; PRIOR FILING DATE: 2000-11-27
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 1
; LENGTH: 15418
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-783-203-1

Query Match 73.6%; Score 16.2; DB 4; Length 15418;
Best Local Similarity 85.7%; Pred. No. 68;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 2 GCATATGTGAGGAGGACC 22
DB 6954 GCAGAAATGTGAGGAGGAC 6974

RESULT 2
US-09-733-294A-30
; Sequence 30, Application US/09733294A
; Patent No. 6492171
; GENERAL INFORMATION:
; APPLICANT: Brett P. Moria
; APPLICANT: William Gaarde
; APPLICANT: Susan M. Freier
; APPLICANT: Edward V. Wanciewicz
; TITLE OF INVENTION: ANTISENSE MODULATION OF TERT EXPRESSION
; FILE REFERENCE: ISPH-0527
; CURRENT APPLICATION NUMBER: US/09/733,294A
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: 09/572,423
; PRIOR FILING DATE: 2000-05-16
; NUMBER OF SEQ ID NOS: 108
; SEQ ID NO 30

LENGTH: 51552
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: exon
LOCATION: (1)...(11492)
OTHER INFORMATION: exon 1
NAME/KEY: intron
LOCATION: (11493)...(11596)
OTHER INFORMATION: intron 1
NAME/KEY: exon
LOCATION: (11597)...(12950)
OTHER INFORMATION: exon 2
NAME/KEY: intron
LOCATION: (12951)...(21566)
OTHER INFORMATION: intron 2
NAME/KEY: exon
LOCATION: (21567)...(21762)
OTHER INFORMATION: exon 3
NAME/KEY: intron
LOCATION: (21763)...(23851)
OTHER INFORMATION: intron 3
NAME/KEY: exon
LOCATION: (23852)...(24032)
OTHER INFORMATION: exon 4
NAME/KEY: intron
LOCATION: (24033)...(24719)
OTHER INFORMATION: intron 4
NAME/KEY: exon
LOCATION: (24720)...(24899)
OTHER INFORMATION: exon 5
NAME/KEY: intron
LOCATION: (24900)...(25393)
OTHER INFORMATION: intron 5
NAME/KEY: exon
LOCATION: (25394)...(25549)
OTHER INFORMATION: exon 6
NAME/KEY: intron
LOCATION: (25550)...(30196)
OTHER INFORMATION: intron 6
NAME/KEY: exon
LOCATION: (30195)...(30292)
OTHER INFORMATION: exon 7
NAME/KEY: intron
LOCATION: (30293)...(31272)
OTHER INFORMATION: intron 7
NAME/KEY: exon
LOCATION: (31273)...(31358)
OTHER INFORMATION: exon 8
NAME/KEY: intron
LOCATION: (31359)...(33843)
OTHER INFORMATION: intron 8
NAME/KEY: unsure
LOCATION: 31450
OTHER INFORMATION: unknown
NAME/KEY: exon
LOCATION: (33844)...(33957)
OTHER INFORMATION: exon 9
NAME/KEY: intron
LOCATION: (33958)...(35941)
OTHER INFORMATION: intron 9
NAME/KEY: exon
LOCATION: (35942)...(36013)
OTHER INFORMATION: exon 10
NAME/KEY: intron
LOCATION: (36014)...(37884)
OTHER INFORMATION: intron 10
NAME/KEY: exon
LOCATION: (37885)...(38073)
OTHER INFORMATION: exon 11
NAME/KEY: intron
LOCATION: (38074)...(41874)
OTHER INFORMATION: intron 11

NAME/KEY: exon
LOCATION: (41875)...(42001)
OTHER INFORMATION: exon 12
NAME/KEY: intron
LOCATION: (42002)...(42881)
OTHER INFORMATION: intron 12
NAME/KEY: exon
LOCATION: (42882)...(42943)
OTHER INFORMATION: exon 13
NAME/KEY: intron
LOCATION: (42944)...(46129)
OTHER INFORMATION: intron 13
NAME/KEY: exon
LOCATION: (46130)...(46254)
OTHER INFORMATION: exon 14
NAME/KEY: intron
LOCATION: (46255)...(47035)
OTHER INFORMATION: intron 14
NAME/KEY: exon
LOCATION: (47036)...(47173)
OTHER INFORMATION: exon 15
NAME/KEY: intron
LOCATION: (47174)...(47709)
OTHER INFORMATION: intron 15
NAME/KEY: exon
LOCATION: (47710)...(50544)
OTHER INFORMATION: exon 16
US-09-733-294A-30
Query Match 73.6%; Score 16.2; DB 4; Length 51552;
Best Local Similarity 85.7%; Pred. No. 88;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCATATATGTGAGGAGGACC 22
Db 4683 GCAGAAATGTGAGGAGGAC 4703

RESULT 3
US-09-620-312D-590
Sequence 590, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yunding
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and Polypeptides
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: pt_fl_genes Version 1.0
SEQ ID NO 590
LENGTH: 5053

TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (154)..(2409)
US-09-620-312D-590

Query Match 71.8%; Score 15.8; DB 4; Length 5053;
Best Local Similarity 89.5%; Pred. No. 86;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 GCAATATGTGAGGAGGGA 20
DB 3972 GCAATATGTGAGGAATGA 3990

RESULT 4
US-09-173-300-37
; Sequence 37, Application US/09173300
; Patent No. 6451581
; GENERAL INFORMATION:
; APPLICANT: Falco, Saverio Carl
; APPLICANT: Hitz, William D.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Caboon, Rebecca E.
; APPLICANT: Rafalski, J. Antoni
; TITLE OF INVENTION: PLANT BRANCHED CHAIN AMINO ACID BIOSYNTHETIC ENZYMES
; FILE REFERENCE: BB-1126
; CURRENT APPLICATION NUMBER: US/09/173,300
; EARLIER FILING DATE: 1998-10-15
; EARLIER APPLICATION NUMBER: 60/063,423
; EARLIER FILING DATE: 1997 October 28
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Microsoft Word Version 7.0A
; SEQ ID NO 37
; LENGTH: 1688
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1673)
US-09-173-300-37

Query Match 70.9%; Score 15.6; DB 4; Length 1688;
Best Local Similarity 81.8%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 TGCAATATGTGAGGAGGACC 22
DB 1152 TGCAAGATGTGAAGATCGACC 1173

RESULT 5
US-08-827-962-17
; Sequence 17, Application US/08827962A
; Patent No. 6258944
; GENERAL INFORMATION:
; APPLICANT: MERCK & CO., INC.
; TITLE OF INVENTION: OB RECEPTOR ISOFORMS AND NUCLEIC ACIDS
; FILE REFERENCE: 19693
; CURRENT APPLICATION NUMBER: US/08/827,962A
; CURRENT FILING DATE: 1997-05-06
; PRIOR APPLICATION NUMBER: 60/016,899
; PRIOR FILING DATE: 1996-05-06
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 3495
; TYPE: DNA
; ORGANISM: Rattus No. 6258944vegicus
US-08-827-962-17

Query Match 70.9%; Score 15.6; DB 3; Length 3495;
Best Local Similarity 81.8%; Pred. No. 1e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 TGCAATATGTGAGGAGGACC 22
DB 2962 TGCAATATGTGAGGTACC 2983

RESULT 6
US-08-947-823-4
; Sequence 4, Application US/08947823
; Patent No. 6114605
; GENERAL INFORMATION:
; APPLICANT: Williamson, Valerie M.
; APPLICANT: Kaloshian, Isgouhi
; APPLICANT: Yaghoobi, Jafar
; APPLICANT: Bodeau, John
; APPLICANT: Milligan, Stephen
; TITLE OF INVENTION: Procedures and Materials for Conferring
; TITLE OF INVENTION: Pest Resistance in Plants
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/947,823
; FILING DATE: 09-OCT-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US97/18802
; FILING DATE: 09-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,191
; FILING DATE: 10-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Bastian, Kevin L.
; REGISTRATION NUMBER: 34,774
; REFERENCE/DOCKET NUMBER: 023070-070210US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3982 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 87..3860
; OTHER INFORMATION: /note= "Copy 2 cDNA for M1 nematode
; OTHER INFORMATION: resistance gene of tomato"
US-08-947-823-4

Query Match 70.9%; Score 15.6; DB 3; Length 3982;
Best Local Similarity 81.8%; Pred. No. 1e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 TGCAATATGTGAGGAGGACC 22
DB 3794 TGACATATGAGAGGGGAAC 3615

RESULT 7
US-09-245-928A-15
; Sequence 15, Application US/09245928A
; Patent No. 6613962
; GENERAL INFORMATION:
; APPLICANT: KEYGENE N.V.
; TITLE OF INVENTION: RESISTANCE AGAINST NEMATODES AND/OR APHIDS
; FILE REFERENCE: 960-35
; CURRENT APPLICATION NUMBER: US/09/245.928A
; CURRENT FILING DATE: 1999-02-08
; PRIOR APPLICATION NUMBER: PCT/EP97/04340
; PRIOR FILING DATE: 1997-08-08
; PRIOR APPLICATION NUMBER: E986401764.4
; PRIOR FILING DATE: 1996-08-09
; PRIOR APPLICATION NUMBER: EP97401101.7
; PRIOR FILING DATE: 1997-05-16
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 15
; LENGTH: 9870
; TYPE: DNA
; ORGANISM: Mi resistance gene
US-09-245-928A-15

Query Match 70.9%; Score 15.6; DB 4; Length 9870;
Best Local Similarity 81.8%; Pred. No. 1.3e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 TGCMAATATGTGAGGAGGACC 22
DB 7045 TGAAGATATGAGAGGGGAAC 7066

RESULT 8
US-08-947-823-1
; Sequence 1, Application US/08947823
; Patent No. 6114605
; GENERAL INFORMATION:
; APPLICANT: Williamson, Valerie M.
; APPLICANT: Kaloshian, Isgouhi
; APPLICANT: Yaghoobi, Jafar
; APPLICANT: Bodeau, John
; APPLICANT: Milligan, Stephen
; TITLE OF INVENTION: Procedures and Materials for Conferring
; TITLE OF INVENTION: Pest Resistance in Plants
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/947,823
; FILING DATE: 09-OCT-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US97/18802
; FILING DATE: 09-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,191
; FILING DATE: 10-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Bastian, Kevin L.
; REGISTRATION NUMBER: 34,774
; REFERENCE/DOCKET NUMBER: 023070-070210US

TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 51952 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-947-823-1

Query Match 70.9%; Score 15.6; DB 3; Length 51952;
Best Local Similarity 81.8%; Pred. No. 1.8e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 TGCMAATATGTGAGGAGGACC 22
DB 19866 TGAAGATATGAGAGGGGAAC 19887

RESULT 9
US-09-171-209-12/c
; Sequence 12, Application US/09171209
; Patent No. 6448000
; GENERAL INFORMATION:
; APPLICANT: VANDERBILT UNIVERSITY
; ADDRESS: 305 Kirkland Hall
; Nashville, TN 37240
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303-1811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/171,209
; FILING DATE: 08-Mar-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US97/06067
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Selby, Elizabeth
; REGISTRATION NUMBER: 38,298
; REFERENCE/DOCKET NUMBER: 22000.0061/P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 404 688 0770
; TELEFAX: 404 688 9880
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 911 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-09-171-209-12

Query Match 70.8%; Score 15.4; DB 4; Length 911;
Best Local Similarity 84.2%; Pred. No. 95;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCMAATATGTGAGGAGGGA 20

Db 208 GCANATATGTGAGGAGGA 190
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RESULT 10
US-09-883-134-3/c
; Sequence 3, Application US/09883134
; Patent No. 6511840
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Scoville, John
; APPLICANT: Donoho, Gregory
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Mathur, Brian
; APPLICANT: Mathur, Daniel
; APPLICANT: Friddle, Carl Johan
; TITLE OF INVENTION: No. 6511840el Human Kinase Proteins and Polynucleotides Encoding
; FILE REFERENCE: LEX-0193-USA
; CURRENT APPLICATION NUMBER: US/09/883,134
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/211,572
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,382
; PRIOR FILING DATE: 2000-07-07
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 3711
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-883-134-3
Query Match 70.0%; Score 15.4; DB 4; Length 3711;
Best Local Similarity 84.2%; Pred. No. 1.3e+02;
Matches 16; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 1 TGCAAAATATGTGAGGAGG 19
Db 1206 TGCAAAATATGTGGGGGGR 1188
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RESULT 11
US-08-343-760A-1
; Sequence 1, Application US/08343760A
; Patent No. 5679783
; GENERAL INFORMATION:
; APPLICANT: De Robertis, Edward M
; APPLICANT: Sasai, Yoshiki
; TITLE OF INVENTION: Tissue Differentiation Affecting
; TITLE OF INVENTION: Factor and Composition
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Majestic, Parsons, Siebert & Heue
; STREET: Four Embarcadero Center, Suite 1450
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/343,760A
; FILING DATE: 22-NOV-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Siebert, J. Suzanne
; REGISTRATION NUMBER: 28,758
; REFERENCE/DOCKET NUMBER: 3100.1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 363-5556

; TELEFAX: (415) 362-5418
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3796 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-343-760A-1
Query Match 70.0%; Score 15.4; DB 1; Length 3796;
Best Local Similarity 94.1%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 4 AAATATGTGAGGAGGGA 20
Db 2314 AAATATATGAGGAGGGA 2330
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RESULT 12
US-09-883-134-5/c
; Sequence 5, Application US/09883134
; Patent No. 6511840
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Scoville, John
; APPLICANT: Donoho, Gregory
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Mathur, Brian
; APPLICANT: Mathur, Daniel
; APPLICANT: Friddle, Carl Johan
; TITLE OF INVENTION: No. 6511840el Human Kinase Proteins and Polynucleotides Encoding
; FILE REFERENCE: LEX-0193-USA
; CURRENT APPLICATION NUMBER: US/09/883,134
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/211,572
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,382
; PRIOR FILING DATE: 2000-07-07
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 4034
; TYPE: DNA
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(4034)
; OTHER INFORMATION: n = A,T,C or G
US-09-883-134-5
Query Match 70.0%; Score 15.4; DB 4; Length 4034;
Best Local Similarity 84.2%; Pred. No. 1.3e+02;
Matches 16; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 1 TGCAAAATATGTGAGGAGG 19
Db 1373 TGCAAAATATGTGGGGGGR 1355
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RESULT 13
US-09-621-976-18595/c
; Sequence 18595, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335

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; SOFTWARE: Patent.pm
; SEQ ID NO 18595
; LENGTH: 510
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-18595

Query Match          69.1%; Score 15.2; DB 4; Length 510;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCAAATATGTGAGGAGGAC 21
Db 408 GCAAATGTCTCAGGAAGGAC 389

RESULT 14
US-09-702-705-1530/c
; Sequence 1530, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C14
; CURRENT APPLICATION NUMBER: US/09/702,705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1530
; LENGTH: 636
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(636)
; OTHER INFORMATION: n = A,T,C or G
US-09-702-705-1530

Query Match          69.1%; Score 15.2; DB 4; Length 636;
Best Local Similarity 81.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 TCGAAATATGTGAGGAGGAC 21
Db 518 TCGAAATATGAGAGNKGAGC 498

Search completed: March 22, 2004, 05:37:12
Job time : 4.96575 secs

FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1530
; LENGTH: 636
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(636)
; OTHER INFORMATION: n = A,T,C or G
US-09-736-457-1530

Query Match          69.1%; Score 15.2; DB 4; Length 636;
Best Local Similarity 81.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 TCGAAATATGTGAGGAGGAC 21
Db 518 TCGAAATATGAGAGNKGAGC 498

Search completed: March 22, 2004, 05:37:12
Job time : 4.96575 secs

FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1530
; LENGTH: 636
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(636)
; OTHER INFORMATION: n = A,T,C or G
US-09-736-457-1530/c
; Sequence 1530, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.
OM nucleic - nucleic search, using sw model
Run on: March 22, 2004, 05:06:41 ; Search time 410.997 Seconds
(without alignments)
7749.384 Million cell updates/sec
Title: US-09-308-080-1
Perfect score: 861
Sequence: 1 TGTAAATGAAGATAAATATT.....AGTGGGAATAATTATTAA 861
Scoring table: IDENTITY_NUC
Gapop 10_0 , Gapext 1.0
Searched: 2438257 seqs, 1849576744 residues
Total number of hits satisfying chosen parameters: 4876514
Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
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15: /cgn2_6/prodata/2/pubna/US10C_PUBCOMB.seq:*
16: /cgn2_6/prodata/2/pubna/US10_NEW_PUB.seq:*
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18: /cgn2_6/prodata/2/pubna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
SUMMARIES
Result No. Query Match Score Length DB ID Description
1 214.8 24.9 239 12 US-10-085-783A-28135 Sequence 28135, A
2 214.8 24.9 239 15 US-10-242-535A-28135 Sequence 28135, A
3 171.2 19.9 3931 9 US-09-854-886-1 Sequence 1, Appli
4 169.6 19.7 4409 9 US-09-954-456-531 Sequence 531, Appl
5 169.6 19.7 4409 9 US-09-880-107-3323 Sequence 3323, Appl
6 169.6 19.7 4409 10 US-09-873-367C-236 Sequence 236, Appl
7 169.6 19.7 4409 14 US-10-240-965-235 Sequence 235, Appl
8 153.4 17.8 418 9 US-09-960-352-9491 Sequence 9491, Appl
9 145.2 16.9 4358 9 US-09-917-800A-1343 Sequence 1343, Appl
10 123.6 14.4 512 9 US-09-783-590-9055 Sequence 9055, Appl
11 52 6.0 3673778 14 US-10-312-841-2 Sequence 1, Appli
12 49.6 5.8 8011 14 US-10-311-455-52 Sequence 52, Appl
13 48.8 5.7 2000 9 US-09-938-842A-4135 Sequence 4135, Appl
14 48.8 5.7 2000 11 US-09-938-842A-4135 Sequence 4135, Appl
15 48.2 5.6 7001 14 US-10-172-086-60 Sequence 60, Appl

ALIGNMENTS

RESULT 1
US-10-085-783A-28135
; Sequence 28135, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liaw, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; PRIOR FILING DATE: 2002-02-28
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 28135
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Human
US-10-085-783A-28135
Query Match 24.9%; Score 214.8; DB 12; Length 239;
Best Local Similarity 96.6%; Pred. No. 3.9e-39;
Matches 230; Conservative 0; Mismatches 7; Indels 1; Gaps 1;
QY 333 CTGGACAAAGCTCCTTTCTGGAATATTGAGCTCATCAGTGAGAAAACGGCTGCATATTGGT 392
DB 1 CTGGACAAAGCTCCTTTCTGGAATATTGAGCTCATCAGTGAGAAAACGGCTGCATATTGGT 60
QY 393 GTCAAGGTGCACGTGAACCTAAGGCTGACTTCCAGACAACGTAAAGTGTGA-TAAAAATC 451
DB 61 GTCAAGGTGCACGTGAACCTAAGGCTGACTTCCAGACAACGTAAAGTGTGA-TTAAATC 120
QY 452 TAAAAACAAGAGATTGGCATAAGTTGGTGAATTTTAAATCATCCATTCATAGGCT 511

ALIGNMENTS

US-10-085-783A-28135
; Sequence 28135, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liaw, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; PRIOR FILING DATE: 2002-02-28
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 28135
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Human
US-10-085-783A-28135
Query Match 24.9%; Score 214.8; DB 12; Length 239;
Best Local Similarity 96.6%; Pred. No. 3.9e-39;
Matches 230; Conservative 0; Mismatches 7; Indels 1; Gaps 1;
QY 333 CTGGACAAAGCTCCTTTCTGGAATATTGAGCTCATCAGTGAGAAAACGGCTGCATATTGGT 392
DB 1 CTGGACAAAGCTCCTTTCTGGAATATTGAGCTCATCAGTGAGAAAACGGCTGCATATTGGT 60
QY 393 GTCAAGGTGCACGTGAACCTAAGGCTGACTTCCAGACAACGTAAAGTGTGA-TAAAAATC 451
DB 61 GTCAAGGTGCACGTGAACCTAAGGCTGACTTCCAGACAACGTAAAGTGTGA-TTAAATC 120
QY 452 TAAAAACAAGAGATTGGCATAAGTTGGTGAATTTTAAATCATCCATTCATAGGCT 511

Db 121 TAAACAAGAGATTGGCATAAGTGGTGAATGTTTATTAAACATCCAATCATAGGCT 180
Qy 512 TATTAATATTAAATGTTATATTTATCAAGCAATCTGCCAGTGTCTTGTGATGCAT 569
Db 181 TATAAATATTAAATGTTATATTTTATTAAGAATCTGCCAGTGTCTTGTGATGCAT 238

RESULT 2
US-10-242-535A-28135
; Sequence 28135, Application US/10242535A
; Publication No. US20040013663A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liaw, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2005
; CURRENT APPLICATION NUMBER: US/10/242,535A
; CURRENT FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 10/085,783
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 28135
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Human
US-10-242-535A-28135

Query Match 24.9%; Score 214.8; DB 15; Length 239;
Best Local Similarity 96.6%; Pred. No. 3.9e-39;
Matches 230; Conservative 0; Mismatches 7; Indels 1; Gaps 1;

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Db 1 CTGGCAAGAGTCCCTTCTGTAATTTGAGCTCATCAGTGAGAAAACGGCTGCATATTTGGT 60
Qy 393 GTCAAGTGTCTCACTGAATTAAGGCTGACTTCCAGACAAAGTAAGTGTA-TAAAAATC 451
Db 61 GTCAAGTGTCTCACTGAATTAAGGCTGACTTCCAGACAAAGTAAGTGTAATTAACATC 120
Qy 452 TAAACAAGAGATTGGCATAAGTGGTGAATGTTTATTAAACATCCAATCATAGGCT 511
Db 121 TAAACAAGAGATTGGCATAAGTGGTGAATGTTTATTAAACATCCAATCATAGGCT 180
Qy 512 TATAAATATTAAATGTTATATTTTATCAAGCAATCTGCCAGTGTCTTGTGATGCAT 569
Db 181 TATAAATATTAAATGTTATATTTTATTAAGAATCTGCCAGTGTCTTGTGATGCAT 238

RESULT 3
US-09-854-886-1
; Sequence 1, Application US/09854886
; Patent No. US20020072080A1
; GENERAL INFORMATION:
; APPLICANT: Yoshikubo, Takashi
; APPLICANT: Hasegawa, Masami
; TITLE OF INVENTION: Immunological Material and Methods for Detecting
; FILE REFERENCE: 100554-32887
; CURRENT APPLICATION NUMBER: US/09/854,886
; CURRENT FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: 09/138,103
; PRIOR FILING DATE: 1998-08-21
; PRIOR APPLICATION NUMBER: 97114630.3
; PRIOR FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 1
; LENGTH: 3951
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-886-1
Query Match 19.9%; Score 171.2; DB 9; Length 3951;
Best Local Similarity 93.2%; Pred. No. 1.2e-28;
Matches 179; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
Qy 244 CTCATATCTTTACTCTTTTCATGAGGACATTTGACAAATGTTTCCCCCATATCATCCG 303
Db 1797 CACCAAACTTTCTCTCTTGATAGGACATTTGTGACAAATGTTTCCCCCATATCATCCG 1856
Qy 304 GGAACCACTCTGCCCCCATGTTATGCCCTGGACAAAGCTCCTTTCTGAATATTGAGCT 363
Db 1857 GGAACCACTCTGCCCCCATGTTATGCCCTGGACAAAGCTCCTTTCTGAATATTGAGCT 1916
Qy 364 CATCAGTGAAGAAACGGCTGCATATTTGGTGTCAAAGTGTCTACTGAATTAAGGCTGACTT 423
Db 1917 CATCAGTGAAGAAACGGCTGCATATTTGGTGTCAAAGTGTCTACTGAATTAAGGCTGACTT 1976
Qy 424 CCCAGACAAAGT 435
Db 1977 CCCAGACAAACAT 1988

RESULT 4
US-09-954-456-531
; Sequence 531, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,863
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 531
; LENGTH: 4409
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-456-531

Query Match 19.7%; Score 169.6; DB 9; Length 4409;
Best Local Similarity 92.7%; Pred. No. 2.8e-28;
Matches 178; Conservative 0; Mismatches 14; Indels 0; Gaps 0;
Qy 244 CTCATATCTTTACTCTTTTCATGAGGACATTTGACAAATGTTTCCCCCATATCATCCG 303

Db 1817 CACCAAACTTTCTCTCTTTGATAGGACATTGTGACAAATGTTTCCCCAGAAATCATCCG 1876
Qy 304 GGGAAACCACTCTGGCCCACTGTATGGCCCTGGACAAAGCTCTCTTCTGAATATTGAGCT 363
Db 1877 GGGAAACCACTCTGGCCCACTGTATGGCCCTGGACAAAGCTCTCTTCTGAATATTGAGCT 1936
Qy 364 CATCAGTGAGAAACGGCTGCATATTGTTGTCCTCAAGTGTCACTGAATTAAGGCTGACTT 423
Db 1937 CATCAGTGAGAAACGGCTGCATATTGTTGTCCTCAAGTGTCACTGAATTAAGGCTGACTT 1996
Qy 424 CCCAGACAACGT 435
Db 1997 TCCAGACAACAT 2008

RESULT 5

US-09-880-107-3323
; Sequence 3323, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darcil T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2001-06-14
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3323
; LENGTH: 4409
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 U20938
US-09-880-107-3323

Query Match 19.7%; Score 169.6; DB 9; Length 4409;
Best Local Similarity 92.7%; Pred. No. 2.8e-28; Indels 0; Gaps 0;
Matches 178; Conservative 0; Mismatches 14;

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Db 1817 CACCAAACTTTCTCTTTGATAAGGACATTGTGACAAATGTTTCCCCCAATCATCCG 1876
Qy 304 GGGAAACCACTCTGGCCCACTGTATGGCCCTGGACAAAGCTCTCTTCTGAATATTGAGCT 363
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Db 1937 CATCAGTGAGAAACGGCTGCATATTGTTGTCCTCAAGTGTCACTGAATTAAGGCTGACTT 1996
Qy 424 CCCAGACAACGT 435
Db 1997 TCCAGACAACAT 2008

RESULT 6

US-09-873-367C-236
; Sequence 236, Application US/09873367C
; Publication No. US20030165839A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; APPLICANT: Soppet, Daniel
; APPLICANT: Endress, Gregory
; APPLICANT: Augustus, Meena
; APPLICANT: Ebner, Reinhard

; APPLICANT: Carter, Kenneth
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; FILE REFERENCE: 689290-64
; CURRENT APPLICATION NUMBER: US/09/873,367C
; CURRENT FILING DATE: 2003-04-29
; PRIOR APPLICATION NUMBER: U.S. 60/236,891
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: U.S. 60/236,842
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: U.S. 60/244,867
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: U.S. 60/245,084
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 1067
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 236
; LENGTH: 4409
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-873-367C-236

Query Match 19.7%; Score 169.6; DB 10; Length 4409;
Best Local Similarity 92.7%; Pred. No. 2.8e-28; Indels 0; Gaps 0;
Matches 178; Conservative 0; Mismatches 14;

Qy 244 CTCATATCTTTACTCTTTTCATGAGGACATTGTGACAAATGTTTCCCCCAATCATCCG 303
Db 1817 CACCAAACTTTCTCTTTGATAAGGACATTGTGACAAATGTTTCCCCCAATCATCCG 1876
Qy 304 GGGAAACCACTCTGGCCCACTGTATGGCCCTGGACAAAGCTCTCTTCTGAATATTGAGCT 363
Db 1877 GGGAAACCACTCTGGCCCACTGTATGGCCCTGGACAAAGCTCTCTTCTGAATATTGAGCT 1936
Qy 364 CATCAGTGAGAAACGGCTGCATATTGTTGTCCTCAAGTGTCACTGAATTAAGGCTGACTT 423
Db 1937 CATCAGTGAGAAACGGCTGCATATTGTTGTCCTCAAGTGTCACTGAATTAAGGCTGACTT 1996
Qy 424 CCCAGACAACGT 435
Db 1997 TCCAGACAACAT 2008

RESULT 7

US-10-240-965-235
; Sequence 235, Application US/10240965
; Publication No. US20030165924A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: SHIFFMAN, Dov
; APPLICANT: SOMOGYI, Roland
; APPLICANT: LAWN, Richard M.
; APPLICANT: SEILHAWER, Jeffrey J.
; APPLICANT: PORTER, Gordon J.
; APPLICANT: MIKITA, Thomas
; APPLICANT: TAI, Julie
; TITLE OF INVENTION: GENES EXPRESSED IN FOAM CELL DIFFERENTIATION
; FILE REFERENCE: PA-0025 PCT
; CURRENT APPLICATION NUMBER: US/10/240,965
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: 60/195,106
; PRIOR FILING DATE: 2000-04-05
; NUMBER OF SEQ ID NOS: 276
; SOFTWARE: PERL Program
; SEQ ID NO 235
; LENGTH: 4409
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030165924A1 331022.33
US-10-240-965-235

Query Match 19.7%; Score 169.6; DB 14; Length 4409;
Best Local Similarity 92.7%; Pred. No. 2.8e-28;
Matches 178; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 244 CTCGATATCTTACTCTTTCATGAGGACATTTGACAAATGTTTCCCCCAATATCATCCG 303
DB 1817 CACCAAACTTCTCTTGTATAGGACATTTGACAAATGTTTCCCCCAATATCATCCG 1876

QY 304 GGGACACACCTCTGGCCCCATGTATGCCCCGACAAAGCTCCCTTCTGATATTTAGCT 363
DB 1877 GGGACACACCTCTGGCCCCATGTATGCCCCGACAAAGCTCCCTTCTGATATTTAGCT 1936

QY 364 CATGAGTGAAGAAACGGCTGCATATTTGTCGCAAGTGTCACTGAACCTAAAGGCTGACTT 423
DB 1937 CATGAGTGAAGAAACGGCTGCATATTTGTCGCAAGTGTCACTGAACCTAAAGGCTGACTT 1996

QY 424 CCCGACCAACGT 435
DB 1997 TCCGACCAACAT 2008

RESULT 8
US-09-960-352-9491
; Sequence 9491, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengboing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 9491
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 41-LIB2809-013-Q1-E1-C10
US-09-960-352-9491

Query Match 17.8%; Score 153.4; DB 9; Length 418;
Best Local Similarity 88.8%; Pred. No. 4.7e-25;
Matches 166; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 246 CAATATCTTACTCTTTCATGAGGACATTTGACAAATGTTTCCCCCAATATCATCCGG 305
DB 210 CCAAACTTCTCTTGTATAGGATATAGTACAAATGTTTCAACCAGATCATCCGG 269

QY 306 GAACACCTCTGGCCCCATGTATGCCCCGACAAAGCTCCCTTCTGATATTTAGCTCA 365
DB 270 GGACACCTCTGGCCCCATGTATGCCCCGACAAAGCTCTTCTGATATTTAGCTCA 329

QY 366 TCAGTGAAGAAACGGCTGCATATTTGTCGCAAGTGTCACTGAACCTAAAGGCTGACTTCC 425
DB 330 TCAGTGAAGAAACGGCTGCATATTTGTCGCAAGTGTCACTGAACCTAAAGGCTGACTTCC 389

QY 426 CAGACAA 432
DB 390 CAGACAA 396

RESULT 9
US-09-917-800A-1343
; Sequence 1343, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:
; APPLICANT: Wendrick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Kory
; APPLICANT: Castle, Arthur

APPLICANT: Elashoff, Michael
APPLICANT: Gene Logic, Inc.
TITLE OF INVENTION: Molecular Toxicology Modeling
FILE REFERENCE: 44921-5038-US
CURRENT APPLICATION NUMBER: US/09/917,800A
CURRENT FILING DATE: 2001-07-31
PRIOR APPLICATION NUMBER: US 60/222,040
PRIOR FILING DATE: 2000-07-31
PRIOR APPLICATION NUMBER: US 60/222,880
PRIOR FILING DATE: 2000-11-02
PRIOR APPLICATION NUMBER: US 60/290,029
PRIOR FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: US 60/290,645
PRIOR FILING DATE: 2001-05-15
PRIOR APPLICATION NUMBER: US 60/292,336
PRIOR FILING DATE: 2001-05-22
PRIOR APPLICATION NUMBER: US 60/295,798
PRIOR FILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: US 60/297,457
PRIOR FILING DATE: 2001-06-13
PRIOR APPLICATION NUMBER: US 60/298,884
PRIOR FILING DATE: 2001-06-19
PRIOR APPLICATION NUMBER: US 60/303,459
PRIOR FILING DATE: 2001-07-09
NUMBER OF SEQ ID NOS: 1740
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1343
LENGTH: 4358
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
OTHER INFORMATION: Genbank Accession No. US20020119462A1 DB5035
US-09-917-800A-1343

Query Match 16.9%; Score 145.2; DB 9; Length 4358;
Best Local Similarity 85.3%; Pred. No. 1e-22;
Matches 162; Conservative 0; Mismatches 28; Indels 0; Gaps 0;

QY 246 CAATATCTTACTCTTTCATGAGGACATTTGACAAATGTTTCCCCCAATATCATCCGG 305
DB 1776 CCAAACTTCTCTTGTATAGGACATCTGACAAAGCTCTTCTCTCAACATGAGCTCA 1835

QY 306 GAACACCTCTGGCCCCATGTATGCCCCGACAAAGCTCTTCTGATATTTAGCTCA 365
DB 1836 GGACACCTCTGGCCCCATGTATGCCCCGACAAAGCTCTTCTCTCAACATGAGCTCA 1895

QY 366 TCAGTGAAGAAACGGCTGCATATTTGTCGCAAGTGTCACTGAACCTAAAGGCTGACTTCC 425
DB 1896 TCAGTGAAGAAACGGCTGCATATTTGTCGCAAGTGTCACTGAACCTAAAGGCTGACTTCC 1955

QY 426 CAGACAACT 435
DB 1956 CGACCAACAT 1965

RESULT 10
US-09-783-590-9055
; Sequence 9055, Application US/09783590
; Patent No. US20020110850A1
; GENERAL INFORMATION:
; APPLICANT: Dillon, Patrick J.
; APPLICANT: Haseltine, William A.
; APPLICANT: Li, Haidong
; APPLICANT: Rosen, Craig A.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 16.2
; FILE REFERENCE: PO-16,2C1
; CURRENT APPLICATION NUMBER: US/09/783,590
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 08/420,856
; PRIOR FILING DATE: 1995-04-12
; PRIOR APPLICATION NUMBER: 08/346,731
; PRIOR FILING DATE: 1994-11-21

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; NUMBER OF SEQ ID NOS: 12485
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9055
; LENGTH: 512
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (10)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (13)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (73)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (144)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
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; OTHER INFORMATION: n equals a,t,g, or c
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; NAME/KEY: misc feature
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; NAME/KEY: misc feature
; LOCATION: (224)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
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; NAME/KEY: misc feature
; LOCATION: (269)
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; NAME/KEY: misc feature
; LOCATION: (274)
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; NAME/KEY: misc feature
; LOCATION: (280)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (285)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (297)
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; NAME/KEY: misc feature
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; NAME/KEY: misc feature
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; NAME/KEY: misc feature
; LOCATION: (408)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (409)
; OTHER INFORMATION: n equals a,t,g, or c
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; LOCATION: (420)
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; NAME/KEY: misc feature
; LOCATION: (422)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (431)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (432)
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; NAME/KEY: misc feature
; LOCATION: (436)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (439)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (442)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (443)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (450)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (460)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (473)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (476)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (485)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (487)
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; NAME/KEY: misc feature
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LOCATION: (488)
; OTHER INFORMATION: n equals a.t.g, or c
; NAME/KEY: misc feature
; LOCATION: (491)
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; NAME/KEY: misc feature
; LOCATION: (503)
; OTHER INFORMATION: n equals a.t.g, or c
; NAME/KEY: misc feature
; LOCATION: (512)
; OTHER INFORMATION: n equals a.t.g, or c
US-09-793-590-9055
Query Match 14.4%; Score 123.6; DB 9; Length 512;
Best Local Similarity 95.5%; Pred. No. 3.1e-19;
Matches 148; Conservative 0; Mismatches 5; Indels 2; Gaps 2;
QY 281 AATGTTTCCCAATATCATCCGGGAACCACTCTGGCCCATGATGGCCCTGGA-CA 339
Db 16 AATGTTTCCCAATATCATCCGGGAACCACTCTGGCCCATATATGGCCCTGGANCA 75
QY 340 AAGTCTCTTCTGAATATGAGTCACTAGTGAGAAACCGCTGCATATTTGGTGCTCAAAG 399
Db 76 AAGTCTCTTCTGAATATGAGTCACTAGTGAGAAACCGCTGCATATTTGGTGCTCAAAG 135
QY 400 TGTCACTG-AACTAAGGCTGACTCCCGACAAAC 433
Db 136 TGTCACTGNAACTAAGGCTGACTTCAGNCAAC 170
RESULT 11
US-10-312-841-1
; Sequence 1, Application US/10312841
; Publication No. US20030186277A1
; GENERAL INFORMATION:
; APPLICANT: Epigenomics AG
; TITLE OF INVENTION: Diagnose von bedeutenden genetischen Parametern innerhalb des MHC
; FILE REFERENCE: E01/1208/NO
; CURRENT APPLICATION NUMBER: US/10/312,841
; CURRENT FILING DATE: 2002-12-30
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 3673778
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; NAME/KEY: unsure
; LOCATION: (3294164)
US-10-312-841-1
Query Match 6.0%; Score 52; DB 14; Length 3673778;
Best Local Similarity 52.7%; Pred. No. 3.4;
Matches 135; Conservative 0; Mismatches 120; Indels 1; Gaps 1;
QY 12 ATAAATATTTTGGTTTTCGCTGTTCTAAACCTAGGTTACAGAAATATTTATCTGG 71
Db 2644548 ATAAATATTTTAAATTTGATTTTATTTTGTATTTTGTATTAATAATAAATTCATATGTC 2644607
QY 72 AGTCAACAATACTTTATTTTACCTTTTATTTGCAAGTAGTTTATGTTCAATTCATAT 131
Db 2644608 GTATAGATGATATATATTTTTCGTTGATCGGAAGT-TTAAATTTTATTTTGTAT 2644666
QY 132 TAATGATATTAATAATTCCTCTGCAATATGTGAGGAGGACCTCAATAATATTGCA 191
Db 2644667 TAATTTTGTATTAATTTTAAAGTTTGGAGGAGGATTTTATAATATTTTATAA 2644726
QY 192 TATGGAATGAGCAGATAATAAGATATATAGCTTTTCTTTGCAAAAGGAGACTCAATAT 251
Db 2644727 GATTTTAAATATATTTTATGATAGATTTTATTTTATGATGTTGATTTT 2644786
QY 252 CTTTACTCTTTCATGA 267

Db 2644787 TTTTATTTTAA 2644802
RESULT 12
US-10-311-455-52
; Sequence 52, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining Cytosine Methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 52
; LENGTH: 8011
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-52
Query Match 5.8%; Score 49.6; DB 14; Length 8011;
Best Local Similarity 50.4%; Pred. No. 0.73;
Matches 121; Conservative 0; Mismatches 119; Indels 0; Gaps 0;
QY 12 ATAAATATTTTGGTTTTCGCTGTTCTAAACCTAGGTTACAGAAATATTTATCTGG 71
Db 5616 ATAAATAGTATATTTGTTTAAATTTTATATAAGAAAGATTAAGAAATTTTATA 5675
QY 72 AGTCAACAATACTTTATTTTACCTTTTATTTGCAAGTAGTTTATGTTCAATTCATAT 131
Db 5676 AGTAAATATTAATTTGATTTATTTAGATATATACGTAGTTATTTTAAAGTTTAAAT 5735
QY 132 TAATGATATTAATAATTCCTCTGCAATATGTGAGGAGGACCTCAATAATATTGCA 191
Db 5736 GAATATTTTGGAAATTTTATTTTAAATTTTATAATTAATAATTAAGAGGATTTGTT 5795
QY 192 TATGGAATGAGCAGATAATAAGATATATAGCTTTTCTTTGCAAAAGGAGACTCAATAT 251
Db 5796 AGTTATATGTAGAAATTCGAATTCGATTTTATTTATATTTTATATAAGAAATTAAT 5855
RESULT 13
US-09-938-842A-4135/c
; Sequence 4135, Application US/09938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Zhu, Tong
; APPLICANT: Wang, Xun
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING STRESS-REGULATED GENES OF PLANTS, AND METHODS OF USE
; FILE REFERENCE: S01P1300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22

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; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 4135
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-4135

Query Match
Sequence 60, Application US/10172086
Publication No. US20030113750A1
GENERAL INFORMATION:
APPLICANT: Epigenomics AG
TITLE OF INVENTION: Method and nucleic acids for the differentiation
TITLE OF INVENTION: of prostate tumors
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10172,086
CURRENT FILING DATE: 2002-06-13
NUMBER OF SEQ ID NOS: 116
SEQ ID NO 60
LENGTH: 7001
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-172-086-60

Query Match
Best Local Similarity 5.6%; Score 48.2; DB 14; Length 7001;
Matches 137; Conservative 0; Mismatches 148; Indels 0; Gaps 0;

Qy 1 TGTAAATGAAGATAAATAATTTTGTGTTTTCGCTGTTCTTAAACCTAGGCTTACAGAGT 60
Db 2092 TGGAAATGTAATATATATATATATATATATATATATATATATATATATATATA 2151
Qy 61 AATTATCTGGAGCTAACAAATCTTTATTTTACCTTTTATTTGCAAGTAGTTTATGTT 120
Db 2152 TATATATATAGATATATATATATTTTAGATATAAATGTTTATTTATATGTTATTTTATA 2211
Qy 121 CAATTCATATTAATGTATATATTAATAAATTCCTCTGCAAAATATGTGAGGAGGACCTCATA 180
Db 2212 AGATAATAAATAATGTATATATTTTAAATTAATAAATAAATAATGATTTTGAATAAGAAAT 2271
Qy 181 AAATATTTGTCATATGGAATGAGCAGATAATAAAGATTATAGCTTTTCTTTGTCAAAAGG 240
Db 2272 AATATTTTAAATAAATAATTTTGTGTTATATATATATATATATATATATATATATAT 2331
Qy 241 AGACTCAATATCTTTTACTCTTCTTCATGAGGACATGTCACAAATGT 285
Db 2332 AAAATGTATGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTT 2376

Search completed: March 22, 2004, 07:36:55
Job time : 421.997 secs
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; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 4135
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-4135

Query Match
Sequence 60, Application US/10172086
Publication No. US20030113750A1
GENERAL INFORMATION:
APPLICANT: Epigenomics AG
TITLE OF INVENTION: Method and nucleic acids for the differentiation
TITLE OF INVENTION: of prostate tumors
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10172,086
CURRENT FILING DATE: 2002-06-13
NUMBER OF SEQ ID NOS: 116
SEQ ID NO 60
LENGTH: 7001
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-172-086-60

Query Match
Best Local Similarity 5.6%; Score 48.2; DB 14; Length 7001;
Matches 137; Conservative 0; Mismatches 148; Indels 0; Gaps 0;

Qy 1 TGTAAATGAAGATAAATAATTTTGTGTTTTCGCTGTTCTTAAACCTAGGCTTACAGAGT 60
Db 2092 TGGAAATGTAATATATATATATATATATATATATATATATATATATATATATA 2151
Qy 61 AATTATCTGGAGCTAACAAATCTTTATTTTACCTTTTATTTGCAAGTAGTTTATGTT 120
Db 2152 TATATATATAGATATATATATTTTAGATATAAATGTTTATTTATATGTTATTTTATA 2211
Qy 121 CAATTCATATTAATGTATATATTAATAAATTCCTCTGCAAAATATGTGAGGAGGACCTCATA 180
Db 2212 AGATAATAAATAATGTATATATTTTAAATTAATAAATAAATAATGATTTTGAATAAGAAAT 2271
Qy 181 AAATATTTGTCATATGGAATGAGCAGATAATAAAGATTATAGCTTTTCTTTGTCAAAAGG 240
Db 2272 AATATTTTAAATAAATAATTTTGTGTTATATATATATATATATATATATATATATAT 2331
Qy 241 AGACTCAATATCTTTTACTCTTCTTCATGAGGACATGTCACAAATGT 285
Db 2332 AAAATGTATGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTT 2376

Search completed: March 22, 2004, 07:36:55
Job time : 421.997 secs
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; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 4135
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-4135

Query Match
Sequence 60, Application US/10172086
Publication No. US20030113750A1
GENERAL INFORMATION:
APPLICANT: Epigenomics AG
TITLE OF INVENTION: Method and nucleic acids for the differentiation
TITLE OF INVENTION: of prostate tumors
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10172,086
CURRENT FILING DATE: 2002-06-13
NUMBER OF SEQ ID NOS: 116
SEQ ID NO 60
LENGTH: 7001
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-172-086-60

Query Match
Best Local Similarity 5.6%; Score 48.2; DB 11; Length 2000;
Matches 126; Conservative 0; Mismatches 107; Indels 3; Gaps 1;

Qy 86 TTATTTTACCTTTTATTTGCAAGTAGTTTATGTTTCAATCTTAATTAATGATATATAA 145
Db 1205 TTATTTTATAGTTATTTCTTTTCAAAATTAATCAATTTGTTATTTATTTCTAACTTAACA 1146
Qy 146 AATTCCTCTGCAAAATATGTGAGGAGGACCTCATATAAATATTTGTCATATGGAATGAGCA 205
Db 1145 ATTAAACCTAAATATGTGAAATCAAGTCGGATAAATATTTGTAATTTTCACATTGAGA 1086
Qy 206 GATAATATAGATTTAGCTTTTCTTTGTCGAAGGAGACTCAATATCTTTTACTCTTTTCAAT 265
Db 1085 GAATATAATAAATTTCTTTTGG---AAAGACAGTTTCACTTTTATATAATTGTACAA 1029
Qy 266 GAGGACATTGTGACAAATGTTTCCCCCAATATCATCCGGGGAACCACTCTGCGCC 321
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; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 4135
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-4135

Query Match
Sequence 60, Application US/10172086
Publication No. US20030113750A1
GENERAL INFORMATION:
APPLICANT: Epigenomics AG
TITLE OF INVENTION: Method and nucleic acids for the differentiation
TITLE OF INVENTION: of prostate tumors
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10172,086
CURRENT FILING DATE: 2002-06-13
NUMBER OF SEQ ID NOS: 116
SEQ ID NO 60
LENGTH: 7001
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-172-086-60

Query Match
Best Local Similarity 5.6%; Score 48.2; DB 11; Length 2000;
Matches 126; Conservative 0; Mismatches 107; Indels 3; Gaps 1;

Qy 86 TTATTTTACCTTTTATTTGCAAGTAGTTTATGTTTCAATCTTAATTAATGATATATAA 145
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Qy 146 AATTCCTCTGCAAAATATGTGAGGAGGACCTCATATAAATATTTGTCATATGGAATGAGCA 205
Db 1145 ATTAAACCTAAATATGTGAAATCAAGTCGGATAAATATTTGTAATTTTCACATTGAGA 1086
Qy 206 GATAATATAGATTTAGCTTTTCTTTGTCGAAGGAGACTCAATATCTTTTACTCTTTTCAAT 265
Db 1085 GAATATAATAAATTTCTTTTGG---AAAGACAGTTTCACTTTTATATAATTGTACAA 1029
Qy 266 GAGGACATTGTGACAAATGTTTCCCCCAATATCATCCGGGGAACCACTCTGCGCC 321
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; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 4135
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-4135

Query Match
Sequence 60, Application US/10172086
Publication No. US20030113750A1
GENERAL INFORMATION:
APPLICANT: Epigenomics AG
TITLE OF INVENTION: Method and nucleic acids for the differentiation
TITLE OF INVENTION: of prostate tumors
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10172,086
CURRENT FILING DATE: 2002-06-13
NUMBER OF SEQ ID NOS: 116
SEQ ID NO 60
LENGTH: 7001
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-172-086-60

Query Match
Best Local Similarity 5.6%; Score 48.2; DB 11; Length 2000;
Matches 126; Conservative 0; Mismatches 107; Indels 3; Gaps 1;

Qy 86 TTATTTTACCTTTTATTTGCAAGTAGTTTATGTTTCAATCTTAATTAATGATATATAA 145
Db 1205 TTATTTTATAGTTATTTCTTTTCAAAATTAATCAATTTGTTATTTATTTCTAACTTAACA 1146
Qy 146 AATTCCTCTGCAAAATATGTGAGGAGGACCTCATATAAATATTTGTCATATGGAATGAGCA 205
Db 1145 ATTAAACCTAAATATGTGAAATCAAGTCGGATAAATATTTGTAATTTTCACATTGAGA 1086
Qy 206 GATAATATAGATTTAGCTTTTCTTTGTCGAAGGAGACTCAATATCTTTTACTCTTTTCAAT 265
Db 1085 GAATATAATAAATTTCTTTTGG---AAAGACAGTTTCACTTTTATATAATTGTACAA 1029
Qy 266 GAGGACATTGTGACAAATGTTTCCCCCAATATCATCCGGGGAACCACTCTGCGCC 321
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: March 22, 2004, 04:12:41 ; Search time 116.069 Seconds
(without alignments)
4116.644 Million cell updates/sec

Title: US-09-308-080-1
Perfect score: 861
Sequence: 1 TGTAAATGAGATAAATATT.....AGTGGGAATAATTATTAA 861

Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	171.2	19.9	3951	US-09-138-103-1	Sequence 1, Appli
2	171.2	19.9	3951	US-09-362-665-3	Sequence 3, Appli
3	171.2	19.9	3951	US-09-963-333-3	Sequence 3, Appli
4	171.2	19.9	3957	US-08-304-309-1	Sequence 1, Appli
5	171.2	19.9	3957	US-08-991-942-1	Sequence 1, Appli
6	169.6	19.7	4368	PCT-US95-04567-3	Sequence 3, Appli
7	153.4	17.8	4414	PCT-US95-04567-1	Sequence 1, Appli
8	150.2	17.4	4447	US-08-304-309-3	Sequence 3, Appli
9	150.2	17.4	4447	US-08-991-942-3	Sequence 3, Appli
10	47	5.5	7218	US-08-232-463-14	Sequence 14, Appli
11	46.6	5.4	5852	US-07-867-106-2	Sequence 2, Appli
12	42.8	5.0	1781	US-09-499-302A-1	Sequence 1, Appli
13	42.4	4.9	13737	US-09-538-414-10	Sequence 10, Appli
14	42.4	4.9	13737	US-10-074-279-10	Sequence 10, Appli
15	41.6	4.8	1664976	US-08-916-421B-1	Sequence 1, Appli
16	41	4.8	3947	US-08-975-762-47	Sequence 47, Appli
17	41	4.8	3947	US-09-395-028-47	Sequence 47, Appli
18	41	4.8	3947	US-09-106-582-47	Sequence 47, Appli
19	41	4.8	3947	US-09-159-469-47	Sequence 47, Appli
20	41	4.8	3947	US-09-693-542-47	Sequence 47, Appli
21	40.2	4.7	832	US-09-621-376-2813	Sequence 2813, Ap
22	39.4	4.6	640681	US-08-790-988-1	Sequence 1, Appli
23	39.2	4.6	116592	US-09-818-512-3	Sequence 3, Appli
24	39	4.5	546	US-09-621-976-10684	Sequence 10684, A
25	39	4.5	11049	US-10-204-708-22	Sequence 22, Appli
26	38.8	4.5	915	US-09-134-000C-2588	Sequence 2588, Ap
27	38.8	4.5	640681	US-09-790-988-1	Sequence 1, Appli

28	38.6	4.5	1400	3	US-09-018-584A-35	Sequence 35, Appli
29	38.6	4.5	1591	4	US-09-356-806-44	Sequence 44, Appli
30	38.4	4.5	1776	3	US-08-655-352-10	Sequence 10, Appli
31	38.4	4.5	1776	4	US-09-258-016-10	Sequence 10, Appli
32	38.4	4.5	1776	4	US-09-257-828B-10	Sequence 10, Appli
33	38.2	4.4	5526	3	US-08-751-359-21	Sequence 21, Appli
34	38.2	4.4	5526	4	US-08-907-146-21	Sequence 21, Appli
35	38.2	4.4	6656	4	US-10-204-708-75	Sequence 75, Appli
36	38	4.4	1664976	4	US-08-916-421B-1	Sequence 1, Appli
37	37.8	4.4	277	1	US-08-244-113-18	Sequence 18, Appli
38	37.8	4.4	480	4	US-09-328-352-1587	Sequence 1587, Ap
39	37.8	4.4	639	4	US-09-482-273-49	Sequence 49, Appli
40	37.6	4.4	580073	4	US-08-545-528D-1	Sequence 1, Appli
41	37.4	4.3	2435	3	US-09-306-593-1	Sequence 1, Appli
42	37.4	4.3	4140	3	US-08-894-731-2	Sequence 2, Appli
43	37.2	4.3	63588	4	US-09-873-404-3	Sequence 3, Appli
44	37	4.3	832	4	US-09-621-976-2813	Sequence 2813, Ap
45	37	4.3	1405	4	US-09-568-097A-15	Sequence 15, Appli

ALIGNMENTS

RESULT 1
US-09-138-103-1
; Sequence 1, Application US/09138103A
; Patent No. 6232448
; GENERAL INFORMATION:

; APPLICANT: Yoshikubo, Takashi
; APPLICANT: Hasegawa, Masami
; TITLE OF INVENTION: Immunological Materials and Methods for Detecting
; FILE REFERENCE: 09/138,103 Yoshikubo, et al.
; CURRENT APPLICATION NUMBER: US/09/138,103A
; CURRENT FILING DATE: 1998-08-21
; EARLIER APPLICATION NUMBER: 97114630.3
; EARLIER FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 1
; LENGTH: 3951
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-138-103-1

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Best Local Similarity	93.2%	Pred. No. 5.6e-32;		
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				Indels 0;
				Gaps 0;
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DB	1797	CACCAAACTTTCTCTCTTGTATAGGACATTGACAAATGTTTCCCCCAATCATCCG	1856	
QY	304	GGGAACCACTCTGCCCCCATGTATGCCCTGGCAAAAGCTCCTTTTCTGAATATTGAGCT	363	
DB	1857	GGGAACCACTCTGCCCCCATGTATGCCCTGGCAAAAGCTCCTTTTCTGAATATTGAGCT	1916	
QY	364	CATCAGTGAGAAAACGGCTGCATATTGGTGTCAAAGTGCACGAACTAAAGGCTGACTT	423	
DB	1917	CATCAGTGAGAAAACGGCTGCATATTGGTGTCAAAGTGCACGAACTAAAGGCTGACTT	1976	
QY	424	CCCAGACACCT 435		
DB	1977	CCCAGACACAT 1988		

RESULT 2
US-09-962-665-3
; Sequence 3, Application US/09962665
; Patent No. 6537759
; GENERAL INFORMATION:
; APPLICANT: Stanton, Jr., Vincent P.
; TITLE OF INVENTION: POLYPOLYGLUTAMATE SYNTHETASE GENE SEQUENCE

; TITLE OF INVENTION: VARIANCES HAVING UTILITY IN DETERMINING THE
; FILE REFERENCE: 11926-015004
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US/09/962,665
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 09/596,033
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 09/357,743
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 09/357,024
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: 60/093,484
; PRIOR FILING DATE: 1998-07-20
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 3951
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 166, 3432, 3682, 3937
; OTHER INFORMATION: n = t or c
; NAME/KEY: misc_feature
; LOCATION: 577, 638, 1708, 3730, 3925
; OTHER INFORMATION: n = a or g
US-09-963-333-3

Query Match 19.9%; Score 171.2; DB 4; Length 3951;
Best Local Similarity 93.2%; Pred. No. 5.6e-32;
Matches 179; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

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QY 364 CATCAGTGAGAAAGCGCTGCATATTGGTGTCAAAGTGTCACTGAACTAAAGCGTGACTT 423
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Db 1977 CCAGACACAT 1988

RESULT 3
US-09-963-333-3
; Sequence 3, Application US/09963333
; Patent No. 6664062
; GENERAL INFORMATION:
; APPLICANT: Stanton, Jr., Vincent P.
; TITLE OF INVENTION: THYMIDINE SYNTHASE GENE SEQUENCE VARIANCES
; TITLE OF INVENTION: HAVING UTILITY IN DETERMINING THE TREATMENT
; FILE REFERENCE: 11926-015002
; CURRENT APPLICATION NUMBER: US/09/963,333
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: 09/658,659
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 09/596,033
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 09/357,743
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 09/357,024
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: 60/093,484
; PRIOR FILING DATE: 1998-07-20

; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 3951
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 166, 3432, 3682, 3937
; OTHER INFORMATION: n = t or c
; NAME/KEY: misc_feature
; LOCATION: 577, 638, 1708, 3730, 3925
; OTHER INFORMATION: n = a or g
US-09-963-333-3

Query Match 19.9%; Score 171.2; DB 4; Length 3951;
Best Local Similarity 93.2%; Pred. No. 5.6e-32;
Matches 179; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 244 CTCATATCTTTTACCTTTTCATGAGACATTTGTGACAAATGTTTCCCCCATATCATCCG 303
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QY 304 GGAACACCTCTGGCCCATATGTCGCTGACAAAGCTCCTTCTGGAATATTGAGCT 363
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Db 1917 CATCAGTGAGAAAGCGCTGCATATTGGTGTCAAAGTGTCACTGAACTAAAGCGTGACTT 1976

QY 424 CCAGACACGCT 435
Db 1977 CCAGACACAT 1988

RESULT 4
US-08-304-309-1
; Sequence 1, Application US/08304309
; Patent No. 5856454
; GENERAL INFORMATION:
; APPLICANT: GONZALEZ, Frank J.
; APPLICANT: FERNANDEZ-SALGUERO, Pedro
; TITLE OF INVENTION: CLONING AND EXPRESSION OF cDNA FOR HUMAN
; TITLE OF INVENTION: DIHYDROPYRIMIDINE DEHYDROGENASE
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: Stewart Street Tower, One Market Plaza
; CITY: San Francisco
; STATE: California
; COUNTRY: US
; ZIP: 94105-1493
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/304,309
; APPLICATION NUMBER: 08-SEP-1994
; FILING DATE: 09-SEP-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Timothy L.
; REGISTRATION NUMBER: 35,367
; REFERENCE/DOCKET NUMBER: 15280-210
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3957 base pairs
; TYPE: nucleic acid

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; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 88..3162
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..3957
; OTHER INFORMATION: /product= "Human DPD"
;
US-08-304-309-1

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Best Local Similarity 93.2%; Pred. No. 5.6e-32;
Matches 179; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

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QY 304 GGGAAACCACTCTGGCCCCCATGTATGGCCCTGGACAAAGCTCCTTTCTGAATATTGAGCT 363
DB 1863 GGGAAACCACTCTGGCCCCCATGTATGGCCCTGGACAAAGCTCCTTTCTGAATATTGAGCT 1922

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QY 424 CCCAGACAAAGCT 435
DB 1983 CCCAGACAAACAT 1994

RESULT 5
US-08-991-942-1
; Sequence 1, Application US/08991942
; Patent No. 6015673
; GENERAL INFORMATION:
; APPLICANT: GONZALEZ, Frank J.
; APPLICANT: FERNANDEZ-SALGUERO, Pedro
; TITLE OF INVENTION: CLONING AND EXPRESSION OF CDNA FOR HUMAN
; TITLE OF INVENTION: DIHYDROPYRIMIDINE DEHYDROGENASE
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourile and Crew
; STREET: Steuart Street Tower, One Market Plaza
; CITY: San Francisco
; STATE: California
; COUNTRY: US
; ZIP: 94105-1493
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/991,942
; FILING DATE:
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US/08/304,309
; FILING DATE: 09-SEP-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Timothy L.
; REGISTRATION NUMBER: 35,367
; REFERENCE/DOCKET NUMBER: 15280-210
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3957 base pairs
; TYPE: nucleic acid
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; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 88..3162
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..3957
; OTHER INFORMATION: /product= "Human DPD"
;
US-08-991-942-1

Query Match      19.9%; Score 171.2; DB 3; Length 3957;
Best Local Similarity 93.2%; Pred. No. 5.6e-32;
Matches 179; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 244 CTCATATCTTTTACTCTTTCATGAGACATTTGTGACAAATGTTCCCCCAATATCATCCG 303
DB 1803 CACCAAACTTTCTCTCTTGTATGAGACATTTGTGACAAATGTTCCCCCAATATCATCCG 1862

QY 304 GGGAAACCACTCTGGCCCCCATGTATGGCCCTGGACAAAGCTCCTTTCTGAATATTGAGCT 363
DB 1863 GGGAAACCACTCTGGCCCCCATGTATGGCCCTGGACAAAGCTCCTTTCTGAATATTGAGCT 1922

QY 364 CATCAGTGAGAAAACGGCTGCATATTGGTGTCATGAGTGTCACTGAACCTAAAGGCTGACTT 423
DB 1923 CATCAGTGAGAAAACGGCTGCATATTGGTGTCATGAGTGTCACTGAACCTAAAGGCTGACTT 1982

QY 424 CCCAGACAAAGCT 435
DB 1983 CCCAGACAAACAT 1994

RESULT 6
PCT-US95-04567-3
; Sequence 3, Application PC/TUS9504567
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: DIHYDROPYRIMIDINE DEHYDROGENASE
; TITLE OF INVENTION: COMPOSITIONS AND METHODS OF USE
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
; SOFTWARE: Patent In Release #1.0, Version
; SOFTWARE: #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/04567
; FILING DATE: CONCURRENTLY HERewith
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/227,357
; FILING DATE: 13-APR-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Wilson, Mark B.
; REGISTRATION NUMBER: 37,259
; REFERENCE/DOCKET NUMBER: UOAB025P--
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 418-3000
; TELEFAX: (713) 789-2679
; TELEEX: 79-0924
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4368 base pairs
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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 49..3123
PCT-US95-04567-3

Query Match      19.7%; Score 169.6; DB 5; Length 4369;
Best Local Similarity 92.7%; Pred. No. 1.4e-31;
Matches 178; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 244 CTCATATCTTACTCTTTCATGAGGACATGTGACAAATGTTTCCCCCATATCATCGG 303
DB 1764 CACCAAACTTCTCTCTTATAGGACATGTGACAAATGTTTCCCCCAGATCATCG 1823
QY 304 GGGAAACACCTCTGCCCCCATGTATGSCCTGGACAAAGCTCCTTTCTGAATATTGAGCT 363
DB 1824 GGGAAACACCTCTGCCCCCATGTATGSCCTGGACAAAGCTCCTTTCTGAATATTGAGCT 1883
QY 364 CATCAGTGAGAAACGGCTGCATATTGGTGTCAAGTGTCACTGAAGCTAAAGGCTGACTT 423
DB 1884 CATCAGTGAGAAACGGCTGCATATTGGTGTCAAGTGTCACTGAAGCTAAAGGCTGACTT 1943
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DB 1944 TCCAGACAAAT 1955

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; Sequence 1, Application PC/TUS9504567
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: DIHYDROPYRIMIDINE DEHYDROGENASE
; TITLE OF INVENTION: COMPOSITIONS AND METHODS OF USE
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
; SOFTWARE: Patent In Release #1.0, Version
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/04567
; FILING DATE: CONCURRENTLY HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/227,357
; FILING DATE: 13-APR-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Wilson, Mark B.
; REGISTRATION NUMBER: 37,259
; REFERENCE/DOCKET NUMBER: UCAB025P--
; TELEPHONE: (512) 418-3000
; TELEFAX: (713) 789-2679
; TELECOMMUNICATION INFORMATION:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4414 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

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; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 68..3142
PCT-US95-04567-1

Query Match      17.8%; Score 153.4; DB 5; Length 4414;
Best Local Similarity 88.8%; Pred. No. 1.1e-27;
Matches 166; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 246 CAATATCTTACTCTTTCATGAGGACATGTGACAAATGTTTCCCCCATATCATCGGG 305
DB 1785 CCAAACTTCTCTCTTATAGGATATAGTGACAAATGTTTCCCCCAGATCATCGGG 1844
QY 306 GAACCACTCTGCCCCCATGTATGSCCTGGACAAAGCTCCTTTCTGAATATTGAGCTCA 365
DB 1845 GGACCACTCTGCCCCCATGTATGSCCTGGACAAAGCTCCTTTCTGAATATTGAGCTCA 1904
QY 366 TCAGTGAGAAACGGCTGCATATTGGTGTCAAAAGTGTCACTGAAGCTAAAGGCTGACTTCC 425
DB 1905 TCAGTGAGAAACGGCTGCATATTGGTGTCAAAAGTGTCACTGAAGCTAAAGGCTGACTTCC 1964
QY 426 CAGACAA 432
DB 1965 CAGACAA 1971

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RESULT 8
US-08-304-309-3
; Sequence 3, Application US/08304309
; Patent No. 5856454
; GENERAL INFORMATION:
; APPLICANT: GONZALEZ, Frank J.
; APPLICANT: FERNANDEZ-SALGUERO, Pedro
; TITLE OF INVENTION: CLONING AND EXPRESSION OF CDNA FOR HUMAN
; TITLE OF INVENTION: DIHYDROPYRIMIDINE DEHYDROGENASE
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Townsend and Townsend Knourie and Crew
; STREET: Stewart Street Tower, One Market Plaza
; CITY: San Francisco
; STATE: California
; COUNTRY: US
; ZIP: 94105-1493
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/304,309
; FILING DATE: 09-SEP-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Timothy L.
; REGISTRATION NUMBER: 35,367
; REFERENCE/DOCKET NUMBER: 15280-210
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4447 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 88..3162
; NAME/KEY: misc feature
; LOCATION: 1..4447

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[illegible]

RESULT 11
US-07-867-106-2/c
; Sequence 2, Application US/07867106
; Patent No. 5389526
; GENERAL INFORMATION:
; APPLICANT: Slade, Martin B
; APPLICANT: Chang, Andy C M
; APPLICANT: Williams, Keith L
; TITLE OF INVENTION: Improved Plasmid Vectors for Cellular
; TITLE OF INVENTION: Slim Moulds of the Genus Dictyostelium
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESSES:
; ADDRESS: Woodcock Washburn Kurtz Mackiewicz & No. 5389526xis
; STREET: One Liberty Place 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/07/867,106
; APPLICATION NUMBER: AU PJ 7187
; FILING DATE: 19920625
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/AU90/00530
; FILING DATE: 02-NOV-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Feeney, Joanne Longo
; REGISTRATION NUMBER: 35,134
; REFERENCE/DOCKET NUMBER: RICE-0002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5852 base pairs

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TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 2378..5038
FEATURE:
NAME/KEY: CDS
LOCATION: 2378..5038
US-07-867-106-2

Query Match          5.4%; Score 46.6; DB 1; Length 5852;
Best Local Similarity 49.0%; Pred. No. 0.04%;
Matches 124; Conservative 0; Mismatches 129; Indels 0; Gaps 0;

QY      17  TATTTTGGTTTTTTCGGTGTCTCTAAACCTAGGGTTACAGGAAGTAATTTATCTCGAGCTA  76
Db      2036  TTTTTTTTTTTTTTTTTTTTTTTTTCAGAGTAAAAAAGGAAAAAAAAAAAAAGAAATA  1977

QY      77  ACAATACTTATTTTACCTTTTATTTTCGAAGTAGTTTATGTTCAATTTCTAATTTAATG  136
Db      1976  GAAAAAGTTGGGTTAAACATCATAGTTTTTTTATAGTTTTTGCATATTTTAAAAATACCT  1917

QY      137  TATATTAAAAATTCCTCTGCAATATGTGAGGAGGAGCTCATAAAAATTTGTCTATAGG  196
Db      1916  TTAATTTTAAATTAATTTTAAATATGAGATCTAATAAAAAAAGGAGGAGGAGGAGGAGG  1857

QY      197  AAATGACGCGATATAAAGATTATACCTTTTCTTTGTCAAAAGGAGAGCTCAATATCTTTA  256
Db      1856  AAAAAAAGGAAAAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG  1797

QY      257  CTCCTTCATGAGG  269
Db      1796  TTAATAAATTAAAG  1784

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RESULT 12					
US-09-499-302A-1					
; Sequence 1, Application US/09499302A					
; Patent No. 6369212					
; GENERAL INFORMATION:					
; APPLICANT: BOUNG-JUN, OH					
; APPLICANT: MOON, KYUNG KO					
; APPLICANT: YOUNG, SOON KIM					
; TITLE OF INVENTION: A CYTOCHROME P450 GENE HIGHLY EXPRESSED IN THE					
; TITLE OF INVENTION: INCOMPATIBLE INTERACTION					
; FILE REFERENCE: 10324/P64443U50					
; CURRENT APPLICATION NUMBER: US/09/499, 302A					
; CURRENT FILING DATE: 2000-02-07					
; NUMBER OF SEQ ID NOS: 10					
; SOFTWARE: PatentIn Ver. 2.1					
; SEQ ID NO.1					
; LENGTH: 1781					
; TYPE: DNA					
; ORGANISM: Capsicum annuum					
US-09-499-302A-1					
Query Match 5.0%; Score 42.8; DB 4; Length 1781;					
Best Local Similarity 51.6%; Pred. No. 0.26;					
Matches 98; Conservative 0; Mismatches 92; Indels 0; Gaps 0;					
Qy	422	TTCCTCAGACACGGTAAGTGTGCATATAAAATCTCAAAAACAAGAAATTGGCATAGTTGGTGA	481		
Dd	1586	TTGGGAGAAATTTCAAACCTTCACACGTAACCTATATATAGTGTGTCTAGAGTTGGTTT	1645		
Qy	482	ATGTTTTATTTAAACATCCAAATTCATAGCGTTATATAATATTAATGTGTATTTTTATCAAC	541		
Dd	1646	ATTACCACCTCTATATCGTATTTGGTGACTCAATAAAATTTGTTGGTGATTATATTACA	1705		
Qy	542	GAACTGCCAGTTGCTTTGCTGTGTCATAGAACATATAAAAGAAGAAAAAGCTCAAGAA	601		

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Db      1706 GATAATGGATTTCATTTTCATCTTAAACCAAAAAAAAAAAAAAAAAAAAAA 1765
Qy      602 CTCATAAAA 611
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Db      1766 AAAAAAAAAA 1775

RESULT 13
US-09-538-414-10
; Sequence 10, Application US/09538414
; Patent No. 6346655
; GENERAL INFORMATION:
; APPLICANT: Hohn, T.
; APPLICANT: Salmeron, J.
; APPLICANT: Peters, C.
; APPLICANT: Kendra, D.
; APPLICANT: Reinders, J.
; APPLICANT: Kuznia, R.
; APPLICANT: Dill-Mackey, R.
; TITLE OF INVENTION: Transgenic Plant and Methods
; FILE REFERENCES: sequencelist
; CURRENT APPLICATION NUMBER: US/09/538,414
; CURRENT FILING DATE: 2000-03-29
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 13737
; TYPE: DNA
; ORGANISM: Plasmid
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Plasmid
US-09-538-414-10

Query Match          4.9%; Score 42.4; DB 4; Length 13737;
Best Local Similarity 50.4%; Pred No. 0.51;
Matches 125; Conservative 0; Mismatches 126; Indels 1; Gaps 1;

Qy      12 ATAAATATTTTTGTTTTTGCGTGTTCTTAACCTAGGGTTACAAGAATTAATTCCTGG 71
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Db      12615 ATTAGGTTTAGAGCTTTTGGAATTAACCACCAAAAGATTGTCTAAAAAATACTCAAATTTG 12674

Qy      72 AGCTAACAAATACCTTTATTTTACCTTTTATTTGCAAGTAGTTTATGTTCAATTCCTAATT 131
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Db      12675 GTAGATAAGTTTCTCTATTATTTAATTAGTCNATGCTAGATACITTTTTTCTTTCTTTAT 12734

Qy      132 TAATGTATATATAAAATCTCCTGCGAAATATGTCAGAGGAGGCCTCATAAATATTGTCA 191
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Db      12735 TAGAGTAGATTAGAAATCTTTTATGCCAAGTTTGTATAAATTAATCA-AGAAGATAAACT 12793

Qy      192 TATGGAATCAGCAGATPAATAAAGATTATAGCTTTTCTTTGTCAAAAGAGAGACTCAATAT 251
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Db      12794 ATCATATCACATGAATTAAGRAAAATCTCATATATAGTATTAGTATTCTCTATAT 12853

Qy      252 CTTTACTCTTTTCATGA 267
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Db      12854 ATATTATGATTGCTTA 12869

RESULT 14
US-10-074-279-10
; Sequence 10, Application US/10074279
; Patent No. 6646184
; GENERAL INFORMATION:
; APPLICANT: Hohn, T.
; APPLICANT: Salmeron, J.
; APPLICANT: Peters, C.
; APPLICANT: Kendra, D.
; APPLICANT: Reinders, J.
; APPLICANT: Kuznia, R.
; APPLICANT: Dill-Mackey, R.
; TITLE OF INVENTION: Transgenic Plant and Methods
; FILE REFERENCES: sequencelist
; CURRENT APPLICATION NUMBER: US/10/074,279
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US-08-916-421B-1

Query Match 4.8%; Score 41.6; DB 4; Length 1664976;
 Best Local Similarity 51.0%; Pred. No. 2.4;

Wed Mar 24 10:57:36 2004

Matches	98;	Conservative	0;	Mismatches	94;	Indels	0;	Gaps	0;
QY	444	TAATAATCTAAACAAAGAGAAATGGCATAAGTTGGTGAATGTTTATTTAAACATCCCAATT	503						
Db	1085407	TAAGAAATCATACCTATCACCACAAAGTATTTGTTGGTTTATATCTACATTTGGTATT	1085348						
QY	504	CATAGGCTTATAAATATTAAATGTTGTTATATTTTATCAACGAATCTGCCAGTTGCTTTGCTG	563						
Db	1085347	AAAAACATTTTAGCATTAAATTTTAAATTTCTTTGAAAAATTATAAATTATATATTATAGAT	1085288						
QY	564	ATGCATAGAAAGATATAAAGAAAGAAAGCTCAAGAACTCATAAAAACCCACACAATGT	623						
Db	1085287	ATATAGATATAAATATAATAAATAAATAAAGAAAAATAAATATTATTACAATTACAATTT	1085228						
QY	624	GAAGCTCTGTTA	635						
Db	1085227	AAATATTACTTA	1085216						

Search completed: March 22, 2004, 05:37:10
 Job time : 130.069 secs